

Appendix A

TBMonitor:

TBMonitor is responsible for all HotelTools' activities (reword) on the Network transceiver.
TBMonitor performs the following activities:

- It provides a monitors all communications with the messaging system
- Monitors connectivity to the Internet and to the ASP
- Controls the backup/dialup connection to the ASP in the event of an Internet communication failure
- Provides a communication gateway and interface between the PMS system at the ASP and the guest service systems (GSS) at the property level.
- Provides the mechanism to remotely update software on the Network transceiver pushed from the ASP via the messaging system
- Monitors the onboard UPS, notifies the ASP of power interruptions, and performs a graceful shutdown of the Network transceiver in the event of a prolonged power outage

Siteinfo.conf:

The `siteinfo.conf` file controls the configuration of the Network transceiver's operating system including IP addressing, host names, dhcpd server configurations, caching DNS server configurations, and ASP server IP addressing information.

The current `siteinfo.conf` file looks like this:

```
#
# /etc/hoteltools/siteinfo.conf
# Generated Site Specific Network transceiver Configuration
#
SITEID=999999
SITENAME="TESTBED NETWORK TRANSCEIVER FOR LAB TESTING ONLY"
TBHARDWAREVERSION=1.0
BUILDDATE="2001-03-16 03:31:09-05"
ZONE="EST5EDT"
ETH0ASSIGN=S
ETH0IP=216.207.100.2
ETH0MASK=255.255.255.0
ETH0GW=216.207.100.1
ETH1IP=10.10.10.1
ETH1MASK=255.255.255.224
DHCPSTART=10.10.10.11
DHCPSTOP=10.10.10.15
PARPSTART=
PARPSTOP=
PROTOBOX=10.10.10.5
GATEWAYNET=216.35.165.112/28
EXTDNSIP1=216.35.165.118
EXTDNSIP2=216.35.165.119
NTPIP1=216.35.165.118
NTPIP2=216.35.165.119
MSGIP=216.35.165.116
SMTPPASS=hoteltoolsgotech69
MODEM0=
MODEM0USER=
MODEM0PASS=
MODEM1=
MODEM1USER=
MODEM1PASS=
MODEM2=
MODEM2USER=
```

MODEM2PASS=
MODEM3=4044
MODEM3USER=tools
MODEM3PASS=gotech00
REBOOTDAY=11
REBOOTHOUR=4
REBOOTMINUTE=20

Firewall.sh:

The firewall.sh file controls the setup of the Network transceiver's firewall rules. The script sources or uses siteinfo.conf as an input.

The current firewall.sh file looks like this:

```
#!/bin/sh

#
# Script File Name:          /etc/hoteltools/firewall.sh
# Script part of:           generic-network transceiver RPM
# Config File Version:      2
# Release:                  0.0.0
#
# Script last modified on:   September 8, 2000
# Script last modified by:   Kent Churchill
#
# Purpose:                  This script sets up firewalling for
#                           use in the normal scenario, when
#                           connectivity is via the Ethernet 0
#                           interface.
#
#                           Note: /etc/rc.d/init.d/ipchains
#                           initially has the firewall turned off
#                           until we set it up here!
#

#####
# Define some script variables
#####
# Path to ipchains executable
IPCHAINS="/sbin/ipchains"

# Names of Ethernet addresses to improve readability
EXT_INTERFACE="eth0"
INT_INTERFACE="eth1"

# Hotel LAN network (derived from siteinfo.conf)
TBNET("<ETH1NET>/<ETH1MASK>")

#####
# Flush all rules
#####
$IPCHAINS -F input
$IPCHAINS -F output
$IPCHAINS -F forward

#####
# Set policies
#####
# refuse all input and output packets
$IPCHAINS -P input DENY
$IPCHAINS -P output DENY

# but permit forward
$IPCHAINS -P forward ACCEPT

#####
# Input/Output Rules
#####

# accept all incoming loopback traffic
$IPCHAINS -A input -i lo -j ACCEPT

# and permit traffic going out the loopback interface
$IPCHAINS -A output -i lo -j ACCEPT
```

```

# accept all input on the internal interface if from the internal network
$IPOCHAINS -A input -i $INT_INTERFACE -s $TBNET -j ACCEPT

# and permit traffic going out the internal interface if it's for our net
$IPOCHAINS -A output -i $INT_INTERFACE -d $TBNET -j ACCEPT

# Permit traffic going out to the world, these will be packets from
# the network transceiver itself or from the the internal lan (see forward rules).
# So, we don't need to limit this to ETH0IP (good thing about this is that
# we won't need to rerun this script if pump gets a new lease for ETH0).
$IPOCHAINS -A output -i $EXT_INTERFACE -j ACCEPT

# explicitly deny TCP 137 and 138 but don't clutter the log
$IPOCHAINS -A input -i $EXT_INTERFACE -p tcp --dport 137 -j DENY
$IPOCHAINS -A input -i $EXT_INTERFACE -p tcp --dport 138 -j DENY
$IPOCHAINS -A input -i $EXT_INTERFACE -p tcp --dport 139 -j DENY
$IPOCHAINS -A input -i $EXT_INTERFACE -p udp --dport 137 -j DENY
$IPOCHAINS -A input -i $EXT_INTERFACE -p udp --dport 138 -j DENY
$IPOCHAINS -A input -i $EXT_INTERFACE -p udp --dport 139 -j DENY
$IPOCHAINS -A input -i $EXT_INTERFACE -p icmp --dport 1 -j DENY

# deny any coming from outside which are unroutable
$IPOCHAINS -A input -i $EXT_INTERFACE -s 10.0.0.0/8 -j DENY -1
$IPOCHAINS -A input -i $EXT_INTERFACE -d 10.0.0.0/8 -j DENY -1
$IPOCHAINS -A input -i $EXT_INTERFACE -s 172.16.0.0/12 -j DENY -1
$IPOCHAINS -A input -i $EXT_INTERFACE -d 172.16.0.0/12 -j DENY -1
$IPOCHAINS -A input -i $EXT_INTERFACE -s 192.168.0.0/16 -j DENY -1
$IPOCHAINS -A input -i $EXT_INTERFACE -d 192.168.0.0/16 -j DENY -1

# allow return packets from connections we initiated
$IPOCHAINS -A input -i $EXT_INTERFACE -p tcp ! -y -j ACCEPT

# allow ssh access
$IPOCHAINS -A input -i $EXT_INTERFACE -p tcp --dport 22 -j ACCEPT

# allow DNS replies
$IPOCHAINS -A input -i $EXT_INTERFACE -p udp --sport 53 -j ACCEPT
$IPOCHAINS -A input -i $EXT_INTERFACE -p udp --dport 53 -j ACCEPT

# For dynamic IP assignment on eth0, open up firewall for dhcp negotiation
# If pump isn't running, that's o.k. because no other programs will be
# listening on these ports.
$IPOCHAINS -A input -i $EXT_INTERFACE -p tcp --dport 67 -j ACCEPT
$IPOCHAINS -A input -i $EXT_INTERFACE -p udp --dport 67 -j ACCEPT
$IPOCHAINS -A input -i $EXT_INTERFACE -p tcp --dport 68 -j ACCEPT
$IPOCHAINS -A input -i $EXT_INTERFACE -p udp --dport 68 -j ACCEPT

# reject identd queries
$IPOCHAINS -A input -i $EXT_INTERFACE -p tcp --dport 113 -j REJECT -1

# allow ntp conversations
$IPOCHAINS -A input -i $EXT_INTERFACE -p udp --sport 123 -j ACCEPT
$IPOCHAINS -A input -i $EXT_INTERFACE -p udp --dport 123 -j ACCEPT

# allow certain classes of icmp
$IPOCHAINS -A input -i $EXT_INTERFACE -p icmp --dport 0 -j ACCEPT

# echo replies - delete previous line if you don't want to PING out
$IPOCHAINS -A input -i $EXT_INTERFACE -p icmp --dport 3 -j ACCEPT

# destination unreachable - allow this, especially if you use a modem
$IPOCHAINS -A input -i $EXT_INTERFACE -p icmp --dport 11 -j ACCEPT

# finally, deny all other packets to input and LOG them. let's see what's
# hitting us...
$IPOCHAINS -A input -j DENY -1

#####
# MASQUERADE rules
#####
# masquerade from inside to outside
$IPOCHAINS -A forward -j MASQ -s $TBNET -d ! $TBNET

#####
# All done
#

```


ARTICLE III HotelTools ASP Applications that work with the Network transceiver:

The HotelTools ASP network transceiver integration software contains the following pieces of functionality:

- Message distribution. When the HotelTools PMS software needs to send a message (such as check-in or check-out), the integration software distributes the message to the correct network transceiver based on a site identifier.
- The integration software will receive messages coming from the network transceivers and update the correct HotelTools database tables with the information contained in the message.
- The integration software responds to the network transceiver startup message to send initialization data (i.e. a list of hotel rooms for the property).

ARTICLE III HotelTools Message Types:

List of Message Types:

- o class java.lang.Object
 - o class com.hoteltools.messages.HTAccount (implements java.io.Serializable)
 - o class com.hoteltools.messages.HTAccountId (implements java.io.Serializable)
 - o class com.hoteltools.messages.HTCallType (implements java.io.Serializable)
 - o class com.hoteltools.messages.HTCurrency (implements java.io.Serializable)
 - o class com.hoteltools.messages.HTFolioHeader (implements java.io.Serializable)
 - o class com.hoteltools.messages.HTFolioId (implements java.io.Serializable)
 - o class com.hoteltools.messages.HTFolioRecord (implements java.io.Serializable)
 - o class com.hoteltools.messages.HTGuest (implements java.io.Serializable)
 - o class com.hoteltools.messages.HTGuestId (implements java.io.Serializable)
 - o class com.hoteltools.messages.HTGuestStay (implements java.io.Serializable)
 - o class com.hoteltools.messages.HTHotelDeviceType (implements java.io.Serializable)
 - o class com.hoteltools.messages.HTKeyCardCreateError (implements java.io.Serializable)
 - o class com.hoteltools.messages.HTKeyCardSecurity (implements java.io.Serializable)

- class com.hoteltools.messages.HTKeyCardType (implements java.io.Serializable)
- class com.hoteltools.messages.HTKeyLinkError (implements java.io.Serializable)
- class com.hoteltools.messages.HTLanguageType (implements java.io.Serializable)
- class com.hoteltools.messages.HTMessage (implements java.io.Serializable)
 - class com.hoteltools.messages.HTDevMessage
 - class com.hoteltools.messages.HTDevConnected
 - class com.hoteltools.messages.HTDevDisconnected
 - class com.hoteltools.messages.HTFmMessage
 - class com.hoteltools.messages.HTHeartbeat
 - class com.hoteltools.messages.HTLostConnectivity
 - class com.hoteltools.messages.HTPowerLost
 - class com.hoteltools.messages.HTPowerRestored
 - class com.hoteltools.messages.HTPrimaryRestored
 - class com.hoteltools.messages.HTSecondaryActivated
 - class com.hoteltools.messages.HTShuttingDown
 - class com.hoteltools.messages.HTSystemHalt
 - class com.hoteltools.messages.HTSystemStart
 - class com.hoteltools.messages.HTPmsMessage
 - class com.hoteltools.messages.HTCallPost
 - class com.hoteltools.messages.HTCheckIn
 - class com.hoteltools.messages.HTCheckOut
 - class com.hoteltools.messages.HTCopyMailbox
 - class com.hoteltools.messages.HTCreditLimit
 - class com.hoteltools.messages.HTDoNotDisturb
 - class com.hoteltools.messages.HTError
 - class com.hoteltools.messages.HTExpressCheckOut
 - class com.hoteltools.messages.HTFolioHeaderList

- class com.hoteltools.messages.HTFolioRecordList
- class com.hoteltools.messages.HTGuestMove
- class com.hoteltools.messages.HTGuestSwap
- class com.hoteltools.messages.HTKeyCardCreate
- class com.hoteltools.messages.HTKeyLink
- class com.hoteltools.messages.HTNoop
- class com.hoteltools.messages.HTPosPost
- class com.hoteltools.messages.HTPost
- class com.hoteltools.messages.HTRequestCheckIn
- class com.hoteltools.messages.HTRequestExpressCheckOut
- class com.hoteltools.messages.HTRequestFolioHeaders
- class com.hoteltools.messages.HTRequestFolioRecords
- class com.hoteltools.messages.HTRequestKeyCardCreate
- class com.hoteltools.messages.HTRequestKeyLink
- class com.hoteltools.messages.HTRequestPosPost
- class com.hoteltools.messages.HTRequestRoomList
- class com.hoteltools.messages.HTRequestRoomMsgCounts
- class com.hoteltools.messages.HTRequestRoomMsgs
- class com.hoteltools.messages.HTRequestRoomStatus
- class com.hoteltools.messages.HTRestoreVoiceMail
- class com.hoteltools.messages.HTRestrictPhone
- class com.hoteltools.messages.HTRoomList
- class com.hoteltools.messages.HTRoomMsgCounts
- class com.hoteltools.messages.HTRoomMsgList
- class com.hoteltools.messages.HTRoomMsgStatus
- class com.hoteltools.messages.HTRoomStatus
- class com.hoteltools.messages.HTRoomStatusChange
- class com.hoteltools.messages.HTRuMessage
 - class com.hoteltools.messages.HTRpmFile

- class com.hoteltools.messages.HTRpmsUpdate
- class com.hoteltools.messages.HTPhoneAuthType (implements java.io.Serializable)
- class com.hoteltools.messages.HTPmsEventHandler
- class com.hoteltools.messages.HTPosCategoryType (implements java.io.Serializable)
- class com.hoteltools.messages.HTPosCharge (implements java.io.Serializable)
- class com.hoteltools.messages.HTPosChargeType (implements java.io.Serializable)
- class com.hoteltools.messages.HTPosCheck (implements java.io.Serializable)
- class com.hoteltools.messages.HTPosLineItem (implements java.io.Serializable)
- class com.hoteltools.messages.HTPosPostError (implements java.io.Serializable)
- class com.hoteltools.messages.HTPosTerminalId (implements java.io.Serializable)
- class com.hoteltools.messages.HTRoom (implements java.io.Serializable)
- class com.hoteltools.messages.HTRoomId (implements java.io.Serializable)
- class com.hoteltools.messages.HTRoomMsg (implements java.io.Serializable)
- class com.hoteltools.messages.HTRoomMsgCaller (implements java.io.Serializable)
- class com.hoteltools.messages.HTRoomMsgType (implements java.io.Serializable)
- class com.hoteltools.messages.HTRoomStatusType (implements java.io.Serializable)
- class com.hoteltools.messages.HTRoomType (implements java.io.Serializable)
- class com.hoteltools.messages.HTZipCode (implements java.io.Serializable)
- class java.lang.Throwable (implements java.io.Serializable)
 - class java.lang.Exception
 - class com.hoteltools.messages.HTPmsEventHandler.UnknownEventException

Detailed Description of Each Message Type:

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com.hoteltools.messages

Class HTAccount

java.lang.Object
|
+-com.hoteltools.messages.HTAccount

public class **HTAccount**
extends java.lang.Object
implements java.io.Serializable

An HTAccount contains the account information used to check in a guest.

See Also:

[Serialized Form](#)

Field Summary

private boolean	<u>allowPost</u>	True = allow simple posting for guest.
private HTCurrency	<u>creditLimit</u>	Credit limit for one-way posting devices.
private java.lang.String	<u>name</u>	The account number (or name).
private java.lang.String	<u>password</u>	Password for guest account.
private HTPhoneAuthType	<u>phoneAuthType</u>	Phone call authorization.
private HTCurrency	<u>rate</u>	Room rate.

Constructor Summary

<u>HTAccount()</u>	
Default constructor	

Method Summary

HTCurrency	<u>getCreditLimit()</u>
------------	-------------------------

java.lang.String	<u>getName</u> ()
java.lang.String	<u>getPassword</u> ()
<u>HTPhoneAuthType</u>	<u>getPhoneAuthType</u> ()
<u>HTCurrency</u>	<u>getRate</u> ()
boolean	<u>isAllowPost</u> ()
void	<u>setAllowPost</u> (boolean newAllowPost)
void	<u>setCreditLimit</u> (<u>HTCurrency</u> newCreditLimit)
void	<u>setName</u> (java.lang.String newName)
void	<u>setPassword</u> (java.lang.String newPassword)
void	<u>setPhoneAuthType</u> (<u>HTPhoneAuthType</u> newPhoneAuthType)
void	<u>setRate</u> (<u>HTCurrency</u> newRate)

Methods inherited from class java.lang.Object

, clone, equals, finalize, getClass, hashCode, notify, notifyAll, registerNatives, toString, wait, wait, wait

Field Detail

(A) name

private java.lang.String **name**
The account number (or name).

(B) password

private java.lang.String **password**
Password for guest account.

(C) rate

private HTCurrency **rate**
Room rate.

(D) phoneAuthType

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(M) isAllowPost

(N) `setAllowPost`

(O) setCreditLimit

(P) setName

(Q) setPassword

(R) `setPhoneAuthType`

(S) setRate

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[com.hotelttools.messages](#)

[Class HTAccountId](#)

java.lang.Object
|
+-com.hotelttools.messages.HTAccountId

public class **HTAccountId**
extends java.lang.Object
implements java.io.Serializable

An HTAccountId uniquely identifies a guest account to all hotel devices.

See Also:

[Serialized Form](#)

Field Summary

private	accountName
java.lang.String	The account number of the guest.
private	guestName
java.lang.String	The name of the guest.
private	roomName
java.lang.String	The room number (or name).

Constructor Summary

HTAccountId()	
-------------------------------	--

Method Summary

java.lang.String	getAccountName()
------------------	----------------------------------

java.lang.String	<u>getGuestName</u> ()
java.lang.String	<u>getRoomName</u> ()
void	<u>setAccountName</u> (java.lang.String newAccountName)
void	<u>setGuestName</u> (java.lang.String newGuestName)
void	<u>setRoomName</u> (java.lang.String newRoomName)

Methods inherited from class java.lang.Object

, clone, equals, finalize, getClass, hashCode, notify, notifyAll, registerNatives, toString, wait, wait, wait

Field Detail

(A) guestName

private java.lang.String **guestName**
The name of the guest.

(B) accountName

private java.lang.String **accountName**
The account number of the guest.

(C) roomName

private java.lang.String **roomName**
The room number (or name).

Constructor Detail

(D) HTAccountId

public **HTAccountId**()

Method Detail

(E) getAccountName

public java.lang.String **getAccountName**()
Returns:
java.lang.String

(F) getGuestName

public java.lang.String **getGuestName**()

Returns:

java.lang.String

(G) **getRoomName**

public java.lang.String **getRoomName**()

Returns:

java.lang.String

(H) **setAccountName**

public void **setAccountName**(java.lang.String newAccountName)

Parameters:

newAccountName - java.lang.String

(I) **setGuestName**

public void **setGuestName**(java.lang.String newGuestName)

Parameters:

newGuestName - java.lang.String

(J) **setRoomName**

public void **setRoomName**(java.lang.String newRoomName)

Parameters:

newRoomName - java.lang.String

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Class HTCallType

```
java.lang.Object
|
+-com.hoteltools.messages.HTCallType
```

public final class **HTCallType**

extends java.lang.Object

implements java.io.Serializable

An HTCallType indicates the type of phone call.

See Also:

Serialized Form

Field Summary

static int	<u>CreditCard</u>	Credit card (value = 5, converted to UHLL 'C').
static int	<u>Information</u>	Information (value = 1, converted to UHLL 'I').
static int	<u>International</u>	International (value = 4, converted to UHLL 'F').
static int	<u>Local</u>	Local (value = 2, converted to UHLL 'L').
static int	<u>LongDistance</u>	Long distance (value = 3, converted to UHLL 'D').
static int	<u>Metered</u>	Metered (value = 6, converted to UHLL 'M').
static int	<u>Operator</u>	Operator assisted (value = 0, converted to UHLL 'O').
private int	<u>value</u>	The call type value (use one of the static int's above).

Constructor Summary

<u>HTCallType</u> ()	
----------------------	--

Method Summary

int	<u>getValue</u> ()
void	<u>setValue</u> (int newValue)

Methods inherited from class java.lang.Object

, clone, equals, finalize, getClass, hashCode, notify, notifyAll, registerNatives, toString, wait, wait, wait

Field Detail

(A) Operator

```
public static final int Operator
    Operator assisted (value = 0, converted to UHLL 'O').
```

(B) Information

```
public static final int Information
    Information (value = 1, converted to UHLL 'I').
```

(C) Local

```
public static final int Local
    Local (value = 2, converted to UHLL 'L').
```

(D) LongDistance

```
public static final int LongDistance
    Long distance (value = 3, converted to UHLL 'D').
```

(E) International

```
public static final int International
    International (value = 4, converted to UHLL 'F').
```

(F) CreditCard

```
public static final int CreditCard
    Credit card (value = 5, converted to UHLL 'C').
```

(G) Metered

```
public static final int Metered
    Metered (value = 6, converted to UHLL 'M').
```

(H) value

```
private int value
    The call type value (use one of the static int's above).
```

Constructor Detail

(I) HTCallType

public HTCallType()

Method Detail

(J) `getValue`

public int `getValue()`

Returns:

int

(K) `setValue`

public void `setValue`(int newValue)

Parameters:

newValue - int

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[com.hoteltools.messages](#)

Class HTCurrency

java.lang.Object

|

+--com.hoteltools.messages.HTCurrency

public class **HTCurrency**

extends java.lang.Object

implements java.io.Serializable

Class to model currency amounts.

See Also:

[Serialized Form](#)

Field Summary

private	pennies
int	Amount in pennies.

Constructor Summary

HTCurrency()	
--------------	--

Method Summary

int	getPennies()
void	setPennies(int newPennies)

Methods inherited from class java.lang.Object

, clone, equals, finalize, getClass, hashCode, notify, notifyAll, registerNatives, toString, wait, wait, wait

Field Detail

(A) pennies

```
private int pennies
    Amount in pennies.
```

Constructor Detail

(B) HTCurrency

```
public HTCurrency()
```

Method Detail

(C) getPennies

```
public int getPennies()
```

Returns:

int

(D) setPennies

```
public void setPennies(int newPennies)
```

Parameters:

newPennies - int

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[com.hoteltools.messages](#)

[Class HTFolioHeader](#)

java.lang.Object
|
+-com.hoteltools.messages.HTFolioHeader

public final class **HTFolioHeader**

extends java.lang.Object

implements java.io.Serializable

An HTFolioHeader contains the summary guest information for a folio.

See Also:

[Serialized Form](#)

Field Summary

private boolean	allowPost Is guest allowed to do posting?
private HTGuestId	guestId The guest identifier.
private int	messageCount Number of messages waiting for the guest.

Constructor Summary

HTFolioHeader ()	
----------------------------------	--

Method Summary

HTGuestId	getGuestId ()
---------------------------	-------------------------------

int	<u>getMessageCount</u> ()
boolean	<u>isAllowPost</u> ()
void	<u>setAllowPost</u> (boolean newAllowPost)
void	<u>setGuestId</u> (HTGuestId newGuestId)
void	<u>setMessageCount</u> (int newMessageCount)

Methods inherited from class java.lang.Object

, clone, equals, finalize, getClass, hashCode, notify, notifyAll, registerNatives, toString, wait, wait, wait

Field Detail

(A) guestId

```
private HTGuestId guestId
```

The guest identifier. If the room is vacant, then set guestId to null.

(B) messageCount

```
private int messageCount
```

Number of messages waiting for the guest.

(C) allowPost

```
private boolean allowPost
```

Is guest allowed to do posting?

Constructor Detail

(D) HTFolioHeader

```
public HTFolioHeader()
```

Method Detail

(E) getGuestId

```
public HTGuestId getGuestId()
```

Returns:

com.hoteltools.messages.HTGuestId

(F) getMessageCount

public int **getMessageCount**()

Returns:

int

(G) [isAllowPost](#)

public boolean **isAllowPost**()

Returns:

boolean

(H) [setAllowPost](#)

public void **setAllowPost**(boolean newAllowPost)

Parameters:

newAllowPost - boolean

(I) [setMessageCount](#)

public void **setMessageCount**(int newMessageCount)

Parameters:

newMessageCount - int

(J) [setGuestId](#)

public void **setGuestId**([HTGuestId](#) newGuestId)

Parameters:

newGuestId - com.hoteltools.messages.HTGuestId

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Class HTFolioId

```

java.lang.Object
|
+-com.hoteltools.messages.HTFolioId

```

public class **HTFolioId**
 extends java.lang.Object
 implements java.io.Serializable

An HTFolioId uniquely identifies a guest folio to all hotel devices.

See Also:

[Serialized Form](#)

Field Summary	
private java.lang.String	<u>accountName</u> The account number of the guest.
private short	<u>phone</u> The room phone extension.
private java.lang.String	<u>roomName</u> The room number (or name).

Constructor Summary	
<u>HTFolioId()</u>	

Method Summary	
java.lang.String	<u>getAccountName()</u>
short	<u>getPhone()</u>
java.lang.String	<u>getRoomName()</u>
void	<u>setAccountName</u> (java.lang.String newAccountName)
void	<u>setPhone</u> (short newPhone)
void	<u>setRoomName</u> (java.lang.String newRoomName)

Methods inherited from class java.lang.Object
 , clone, equals, finalize, getClass, hashCode, notify, notifyAll, registerNatives, toString, wait, wait, wait

Field Detail

(A) `accountName`

```
private java.lang.String accountName  
    The account number of the guest.
```

(B) `roomName`

```
private java.lang.String roomName  
    The room number (or name).
```

(C) `phone`

```
private short phone  
    The room phone extension.
```

Constructor Detail

(D) `HTFolioId`

```
public HTFolioId()
```

Method Detail

(E) `getAccountName`

```
public java.lang.String getAccountName()  
    Returns:  
    java.lang.String
```

(F) `getPhone`

```
public short getPhone()  
    Returns:  
    short
```

(G) `getRoomName`

```
public java.lang.String getRoomName()  
    Returns:  
    java.lang.String
```

(H) `setAccountName`

```
public void setAccountName(java.lang.String newAccountName)  
    Parameters:  
    newAccountName - java.lang.String
```

(I) `setPhone`

```
public void setPhone(short newPhone)
```

Parameters:

`newPhone` - short

(J) `setRoomName`

```
public void setRoomName(java.lang.String newRoomName)
```

Parameters:

`newRoomName` - java.lang.String

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com.hoteltools.messages

Class HTFolioRecord

java.lang.Object

|

+--com.hoteltools.messages.HTFolioRecord

```
public final class HTFolioRecord
```

```
extends java.lang.Object
```

```
implements java.io.Serializable
```

An HTFolioRecord contains a line-item for a folio.

See Also:

[Serialized Form](#)

Field Summary

Description of the charge.

Constructor Detail

(D) HTFolioRecord

```
public HTFolioRecord()
```

Method Detail

(E) getCharge

```
public HTCurrency getCharge()
```

Returns:

com.hoteltools.messages.HTCurrency

(F) getDate

```
public java.util.Date getDate()
```

Returns:

java.util.Date

(G) getDescription

```
public java.lang.String getDescription()
```

Returns:

java.lang.String

(H) setCharge

```
public void setCharge(HTCurrency newCharge)
```

Parameters:

newCharge - com.hoteltools.messages.HTCurrency

(I) setDate

```
public void setDate(java.util.Date newDate)
```

Parameters:

newDate - java.util.Date

(J) setDescription

```
public void setDescription(java.lang.String newDescription)
```

Parameters:

newDescription - java.lang.String

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[com.hoteltools.messages](#)

Class HTGuest

```
java.lang.Object
|
+-com.hoteltools.messages.HTGuest
```

```
public class HTGuest
extends java.lang.Object
implements java.io.Serializable
```

An HTGuest is the guest information used to check in a guest.

See Also:

[Serialized Form](#)

Field Summary	
<div>private java.lang.String</div>	<div><u>company</u> Company guest works for.</div>
<div>private java.lang.String</div>	<div><u>id</u> Guest id (when more than one guest in the room).</div>
<div>private HTLanguageType</div>	<div><u>language</u> Guests primary language.</div>
<div>private java.lang.String</div>	<div><u>name</u> Guest full name.</div>
<div>private boolean</div>	<div><u>vip</u> Is this guest a VIP?</div>
<div>private HTZipCode</div>	<div><u>zip</u> Home zip code of guest.</div>

Constructor Summary

`HTGuest()`

Default constructor

Method Summary

<code>java.lang.String</code>	<code><u>getCompany</u>()</code>
<code>java.lang.String</code>	<code><u>getId</u>()</code>
<code>HTLanguageType</code>	<code><u>getLanguage</u>()</code>
<code>java.lang.String</code>	<code><u>getName</u>()</code>
<code>HTZipCode</code>	<code><u>getZip</u>()</code>
<code>boolean</code>	<code><u>isVip</u>()</code>
<code>void</code>	<code><u>setCompany</u>(java.lang.String newCompany)</code>
<code>void</code>	<code><u>setId</u>(java.lang.String newId)</code>
<code>void</code>	<code><u>setLanguage</u>(HTLanguageType newLanguage)</code>
<code>void</code>	<code><u>setName</u>(java.lang.String newName)</code>
<code>void</code>	<code><u>setVip</u>(boolean newVip)</code>
<code>void</code>	<code><u>setZip</u>(HTZipCode newZip)</code>

Methods inherited from class `java.lang.Object`

`, clone, equals, finalize, getClass, hashCode, notify, notifyAll, registerNatives, toString, wait, wait, wait`

Field Detail

(A) `name`

```
private java.lang.String name
    Guest full name.
```

(B) `id`

```
private java.lang.String id
    Guest id (when more than one guest in the room). This field will be used by the Point
    of Sale system for multiple guests on the same room/folio.
```

(C) company

```
private java.lang.String company
    Company guest works for.
```

(D) zip

```
private HTZipCode zip
    Home zip code of guest.
```

(E) language

```
private HTLanguageType language
    Guests primary language.
```

(F) vip

```
private boolean vip
    Is this guest a VIP?
```

Constructor Detail

(G) HTGuest

```
public HTGuest()
    Default constructor
```

Method Detail

(H) getCompany

```
public java.lang.String getCompany()
    Returns:
    java.lang.String
```

(I) getId

```
public java.lang.String getId()
    Returns:
    java.lang.String
```

(J) getLanguage

```
public HTLanguageType getLanguage()
    Returns:
    java.lang.String
```

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Returns:
java.lang.String

Returns:
com.hoteltools.messages.HTZipCode

Returns:
boolean

Parameters:
newCompany - java.lang.String

Parameters:
newId - java.lang.String

Parameters:
newLanguage - com.hoteltools.messages.HTLanguageType

Parameters:
newName - java.lang.String

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Parameters:
newVip - boolean

(S) [setZip](#)

public void **setZip**([HTZipCode](#) newZip)

Parameters:
newZip - com.hoteltools.messages.HTZipCode

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com.hoteltools.messages

Class HTGuestId

java.lang.Object
|
+-com.hoteltools.messages.HTGuestId

public class **HTGuestId**
extends java.lang.Object
implements java.io.Serializable

An HTGuestId uniquely identifies a guest to all hotel devices.

See Also:
[Serialized Form](#)

Field Summary	
private java.lang.String	accountName The account number (or name).
private java.lang.String	guestName The name of the guest.

private short	<u>phone</u> The room phone extension.
private java.lang.String	<u>roomName</u> The room number (or name).

Constructor Summary

HTGuestId()

Method Summary

java.lang.String getAccountName()

java.lang.String getGuestName()

short getPhone()

java.lang.String getRoomName()

void setAccountName(java.lang.String newAccountName)

void setGuestName(java.lang.String newGuestName)

void setPhone(short newPhone)

void setRoomName(java.lang.String newRoomName)

Methods inherited from class java.lang.Object

, clone, equals, finalize, getClass, hashCode, notify, notifyAll, registerNatives, toString, wait, wait, wait

Field Detail

(A) guestName

private java.lang.String guestName
The name of the guest.

(B) accountName

private java.lang.String accountName
The account number (or name).

(C) roomName

private java.lang.String roomName

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private short phone
The room phone extension.

(E) HTGuestId

Method Detail

```
public java.lang.String getAccountName()
```

(G) `getGuestName`

Returns:
java.lang.String

Returns:
short

Returns:
java.lang.String

Parameters:
newAccountName - java.lang.String

```
public void setGuestName(java.lang.String newGuestName)
```

Parameters:

newGuestName - java.lang.String

(L) setPhone

public void **setPhone**(short newPhone)**Parameters:**

newPhone - short

(M) setRoomName

public void **setRoomName**(java.lang.String newRoomName)**Parameters:**

newRoomName - java.lang.String

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java.lang.Object

|

+-com.hoteltools.messages.HTGuestStay

public class **HTGuestStay**

extends java.lang.Object

implements java.io.Serializable

An HTGuestStay contains information relating to a guests stay.

See Also:

Field Summary

```

    private arrival
java.util.Date      Arrival date.
    private departure
java.util.Date      Departure date.

```

Constructor Summary

```
HTGuestStay()
```

Method Summary

```

java.util.Date getArrival()
java.util.Date getDeparture()
void setArrival(java.util.Date newArrival)
void setDeparture(java.util.Date newDeparture)

```

Methods inherited from class java.lang.Object

```

, clone, equals, finalize, getClass, hashCode, notify, notifyAll,
registerNatives, toString, wait, wait, wait

```

Field Detail

(A) arrival

```

private java.util.Date arrival
    Arrival date.

```

(B) departure

```

private java.util.Date departure
    Departure date.

```

Constructor Detail

(C) HTGuestStay

```
public HTGuestStay()
```

Method Detail

(D) getArrival

public java.util.Date **getArrival()**

Returns:
java.util.Date

(E) **getDeparture**

public java.util.Date **getDeparture()**

Returns:
java.util.Date

(F) **setArrival**

public void **setArrival**(java.util.Date newArrival)

Parameters:
newArrival - java.util.Date

(G) **setDeparture**

public void **setDeparture**(java.util.Date newDeparture)

Parameters:
newDeparture - java.util.Date

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com.hoteltools.messages

Class HTHotelDeviceType

java.lang.Object
|

```
public final class HTHotelDeviceType
```

```
extends java.lang.Object
```

```
implements java.io.Serializable
```

An HTHotelDeviceType indicates the type hotel device.

See Also:

Serialized Form

Field Summary	
static int	<u>CallAccounting</u> Call accounting system (value = 2, converted to UHLL '2').
static int	<u>Games</u> Interactive game (value = 6, converted to UHLL '6').
static int	<u>Internet</u> Internet system (value = 5, converted to UHLL '5').
static int	<u>KeyLessEntry</u> Keyless entry (value = 9, converted to UHLL '4').
static int	<u>Minibar</u> Minibar (value = 8, converted to UHLL '9').
static int	<u>Movies</u> In-room movie system (value = 4, converted to UHLL '3').
static int	<u>PBX</u> Phone business exchange (value = 1, converted to UHLL '1').
static int	<u>PMS</u> Property management system (value = 0, converted to UHLL '0').
static int	<u>POS</u> Point of sale system (value = 3, converted to UHLL '8').
static int	<u>RoomSafe</u> Room safe (value = 10, converted to UHLL '7').
private int	<u>value</u> The hotel device type (use one of the static int's above).
static int	<u>VoiceMail</u> Voice mail (value = 7, converted to UHLL '10').

Constructor Summary

HTHotelDeviceType ()

Method Summary

int	<u>getValue</u> ()
void	<u>setValue</u> (int newValue)

```
, clone, equals, finalize, getClass, hashCode, notify, notifyAll,
registerNatives, toString, wait, wait, wait
```

Field Detail

```
public static final int PMS
```

(B) PBX

```
public static final int PBX
```

(C) CallAccounting

```
public static final int CallAccounting
```

(D) POS

```
public static final int POS
```

(E) Movies

```
public static final int Movies
```

(F) Internet

```
public static final int Internet
```

(G) Games

```
public static final int Games
```

(H) VoiceMail

```
public static final int VoiceMail
```

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com.hoteltools.messages

Class HTKeyCardCreateError

```

java.lang.Object
|
+-com.hoteltools.messages.HTKeyCardCreateError
    
```

public final class **HTKeyCardCreateError**
 extends java.lang.Object
 implements java.io.Serializable

An HTKeyCardCreateError indicates any errors creating a key card.

See Also:

[Serialized Form](#)

Field Summary	
static int	Abort Transaction aborted (value = 14, converted to UHLL '12').
static int	BadCommand Bad command (value = 5, converted to UHLL '6').
static int	BadEncoderId Invalid encoder number (value = 4, converted to UHLL '5').
static int	BadField Invalid field (value = 3, converted to UHLL '2').
static int	BadMedia Bad media (value = 6, converted to UHLL '9').
static int	BadPassword Invalid password (value = 8, converted to UHLL '10').
static int	BadRoom

	Room status error (value = 9, converted to UHLL '14').
static int	<u>BadUser</u> User not authorized (value = 7, converted to UHLL '11').
static int	<u>Busy</u> Encoder busy (value = 1, converted to UHLL '7').
static int	<u>CommError</u> Communication failure (value = 11, converted to UHLL '13').
static int	<u>FieldRequired</u> Required field was missing (value = 2, converted to UHLL '3').
static int	<u>Hardware</u> Hardware error (value = 12, converted to UHLL '1').
static int	<u>KeySystemError</u> Key system error (value = 13, converted to UHLL '15').
static int	<u>NoConnection</u> No connection to encoder (value = 10, converted to UHLL '8').
static int	<u>None</u> No error, key was created (value = 0, converted to UHLL '0').
static int	<u>Timeout</u> Encoder timeout (value = 15, converted to UHLL '4').
private int	<u>value</u> The key create error value (use one of the static int's above).

Constructor SummaryHTKeyCardCreateError ()**Method Summary**

int	<u>getValue</u> ()
void	<u>setValue</u> (int newValue)

Methods inherited from class java.lang.Object

, clone, equals, finalize, getClass, hashCode, notify, notifyAll, registerNatives, toString, wait, wait, wait

Field Detail

(A) None

public static final int **None**

No error, key was created (value = 0, converted to UHLL '0').

(B) Busy

public static final int **Busy**
Encoder busy (value = 1, converted to UHLL '7').

(C) **FieldRequired**

public static final int **FieldRequired**
Required field was missing (value = 2, converted to UHLL '3').

(D) **BadField**

public static final int **BadField**
Invalid field (value = 3, converted to UHLL '2').

(E) **BadEncoderId**

public static final int **BadEncoderId**
Invalid encoder number (value = 4, converted to UHLL '5').

(F) **BadCommand**

public static final int **BadCommand**
Bad command (value = 5, converted to UHLL '6').

(G) **BadMedia**

public static final int **BadMedia**
Bad media (value = 6, converted to UHLL '9').

(H) **BadUser**

public static final int **BadUser**
User not authorized (value = 7, converted to UHLL '11').

(I) **BadPassword**

public static final int **BadPassword**
Invalid password (value = 8, converted to UHLL '10').

(J) **BadRoom**

public static final int **BadRoom**
Room status error (value = 9, converted to UHLL '14').

(K) **NoConnection**

(T) setValue

```
public void setValue(int newValue)
```

Parameters:

newValue - int

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com.hoteltools.messages

Class HTKeyCardSecurity

java.lang.Object
|
+-com.hoteltools.messages.HTKeyCardSecurity

public final class HTKeyCardSecurity
extends java.lang.Object
implements java.io.Serializable

Contains key card security data.

See Also:

[Serialized Form](#)

Field Summary

private expiration	
java.util.Date	Expiration time for the key card.
private levels	
java.lang.String[]	Levels the key card grants access to.
private password	
java.lang.String	Password for the key card.

Constructor Summary

HTKeyCardSecurity()

Method Summary

java.util.Date	<u>getExpiration()</u>
java.lang.String[]	<u>getLevels()</u>
java.lang.String	<u>getPassword()</u>
void	<u>setExpiration</u> (java.util.Date newExpiration)
void	<u>setLevels</u> (java.lang.String[] newLevels)
void	<u>setPassword</u> (java.lang.String newPassword)

Methods inherited from class java.lang.Object

, clone, equals, finalize, getClass, hashCode, notify, notifyAll, registerNatives, toString, wait, wait, wait

Field Detail

(A) password

private java.lang.String **password**
Password for the key card.

(B) levels

private java.lang.String[] **levels**
Levels the key card grants access to.

(C) expiration

private java.util.Date **expiration**
Expiration time for the key card.

Constructor Detail

(D) HTKeyCardSecurity

public HTKeyCardSecurity()

Method Detail

(E) getExpiration

public java.util.Date **getExpiration()**

Returns:
java.util.Date

(F) [getLevels](#)

public java.lang.String[] **getLevels()**

Returns:
java.lang.String[]

(G) [getPassword](#)

public java.lang.String **getPassword()**

Returns:
java.lang.String

(H) [setExpiration](#)

public void **setExpiration**(java.util.Date newExpiration)

Parameters:
newExpiration - java.util.Date

(I) [setLevels](#)

public void **setLevels**(java.lang.String[] newLevels)

Parameters:
newLevels - java.lang.String[]

(J) [setPassword](#)

public void **setPassword**(java.lang.String newPassword)

Parameters:
newPassword - java.lang.String

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com.hoteltools.messages

Class HTKeyCardType

```
java.lang.Object
|
+-com.hotelttools.messages.HTKeyCardType
```

```
public final class HTKeyCardType
extends java.lang.Object
implements java.io.Serializable
```

An HTKeyCardType indicates the type of key card.

See Also:

Serialized Form

Field Summary	
static int	<u>DupCard</u> Duplicate key card (value = 1, converted to UHLL '1').
static int	<u>NewCard</u> New key card (value = 0, converted to UHLL '0').
static int	<u>SingleUse</u> Key used only once (value = 2, converted to UHLL '2').
private int	<u>value</u> The key card type (use one of the static int's above).

Constructor Summary

HTKeyCardType ()

Method Summary	
int	<u>getValue</u> ()
void	<u>setValue</u> (int newValue)

Methods inherited from class java.lang.Object
, clone, equals, finalize, getClass, hashCode, notify, notifyAll, registerNatives, toString, wait, wait, wait

Methods inherited from class java.lang.Object
, clone, equals, finalize, getClass, hashCode, notify, notifyAll, registerNatives, toString, wait, wait, wait

Field Detail

Field Detail

```
public static final int NewCard
    New key card (value = 0, converted to UHLL '0').
```

```
public static final int NewCard
    New key card (value = 0, converted to UHLL '0').
```

(B) DupCard

```
public static final int DupCard
    Duplicate key card (value = 1, converted to UHLL '1').
```

```
public static final int DupCard
    Duplicate key card (value = 1, converted to UHLL '1').
```

(C) SingleUse

```
public static final int SingleUse
    Key used only once (value = 2, converted to UHLL '2').
```

```
public static final int SingleUse
    Key used only once (value = 2, converted to UHLL '2').
```

(D) value

```
private int value
```

The key card type (use one of the static int's above).

```
private int value
```

The key card type (use one of the static int's above).

Constructor Detail	
--------------------	--

Constructor Detail	
--------------------	--

```
public HTKeyCardType()
```

Method Detail

Method Detail

Method Detail

```
public int get
Returns:
int
```

```
public int get
Returns:
int
```

```
public int get
Returns:
int
```

(G) setValue

```
public void setVal
    Parameters:
    newValue - int
```

```
public void setVal
    Parameters:
    newValue - int
```

```
public void setVal
    Parameters:
    newValue - int
```

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Class HTKeyLinkError

```

java.lang.Object
|
+-com.hoteltools.messages.HTKeyLinkError
    
```

public final class **HTKeyLinkError**
 extends java.lang.Object
 implements java.io.Serializable

An HTKeyLinkError indicates any errors linking to the key card system.

See Also:

[Serialized Form](#)

Field Summary	
static int	<u>BadData</u> Bad HTRequestKeyLink data (value = 2, converted to UHLL '2').
static int	<u>None</u> No error, key system active (value = 0, converted to UHLL '0').
static int	<u>NoSystem</u> No key card system found (value = 3, converted to UHLL '1').
static int	<u>Unavailable</u> Key card system currently unavailable (value = 1, converted to UHLL '4').
static int	<u>Unknown</u> Misc errors (value = 4, converted to UHLL '3').
private int	<u>value</u> The key link error value (use one of the static int's above).

private int **value**

The key link error value (use one of the static int's above).

Constructor Detail

(G) `HTKeyLinkError`

public `HTKeyLinkError()`

Method Detail

(H) `getValue`

public int `getValue()`

Returns:

int

(I) `setValue`

public void `setValue`(int newValue)

Parameters:

newValue - int

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[Class HTLanguageType](#)

`java.lang.Object`

|
+-`com.hoteltools.messages.HTLanguageType`

```
public final class HTLanguageType
extends java.lang.Object
implements java.io.Serializable
```

An HTLanguageType indicates the type of language.

See Also:

[Serialized Form](#)

Field Summary	
static int	<u>English</u> English (value = 0, converted to UHLL '0').
static int	<u>French</u> French (value = 2, converted to UHLL '2').
static int	<u>Italian</u> Italian (value = 3, converted to UHLL '3').
static int	<u>Japanese</u> Japanese (value = 4, converted to UHLL '4').
static int	<u>Spanish</u> Spanish (value = 1, converted to UHLL '1').
private int	<u>value</u> The language type (use one of the static int's above).

Constructor Summary	
	<u>HTLanguageType</u> ()

Method Summary	
int	<u>getValue</u> ()
void	<u>setValue</u> (int newValue)

Methods inherited from class java.lang.Object	
	, clone, equals, finalize, getClass, hashCode, notify, notifyAll, registerNatives, toString, wait, wait, wait

Field Detail

(A) English

```
public static final int English
    English (value = 0, converted to UHLL '0').
```

(B) Spanish

public static final int **Spanish**
Spanish (value = 1, converted to UHLL '1').

(C) French

public static final int **French**
French (value = 2, converted to UHLL '2').

(D) Italian

public static final int **Italian**
Italian (value = 3, converted to UHLL '3').

(E) Japanese

public static final int **Japanese**
Japanese (value = 4, converted to UHLL '4').

(F) value

private int **value**
The language type (use one of the static int's above).

Constructor Detail

(G) HTLanguageType

public HTLanguageType()

Method Detail

(H) getValue

public int **getValue()**
Returns:
int

(I) setValue

public void **setValue**(int newValue)
Parameters:
newValue - int

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com.hoteltools.messages

Class HTMessage

```
java.lang.Object
|
+-com.hoteltools.messages.HTMessage
```

Direct Known Subclasses:

[HTDevMessage](#), [HTFmMessage](#), [HTPmsMessage](#), [HTRuMessage](#)

```
public abstract class HTMessage
extends java.lang.Object
implements java.io.Serializable
```

Base class for all Network transceiver messages. There will be one more level of abstract classes derived from this class which describe the major message category. Different threads will be used to process each category of messages.

See Also:

[Serialized Form](#)

Field Summary	
private java.lang.String	originSite Originating property/site
private java.util.Date	sentTime Time this message was sent.

Constructor Summary	
HTMessage()	

Method Summary	
abstract java.lang.String	<u>getJmsType()</u> Get the JMS type name for the class, which will be used to select messages from queue.
java.lang.String	<u>getOriginSite()</u> Return the originating network transceiver site identifier.
java.util.Date	<u>getSentTime()</u>
void	<u>setOriginSite</u> (java.lang.String newOriginSite)
void	<u>setSentTime()</u> Set the time sent to current time.
void	<u>setSentTime</u> (java.util.Date newSentTime)

Methods inherited from class java.lang.Object
, clone, equals, finalize, getClass, hashCode, notify, notifyAll, registerNatives, toString, wait, wait, wait

Field Detail

(A) originSite

private java.lang.String **originSite**
Originating property/site

(B) sentTime

private java.util.Date **sentTime**
Time this message was sent.

Constructor Detail

(C) HTMessage

public **HTMessage()**

Method Detail

(D) getJmsType

public abstract java.lang.String **getJmsType()**
Get the JMS type name for the class, which will be used to select messages from queue. The abstract "major category" classes will implement this method as a final method.

(E) getSentTime

public java.util.Date **getSentTime**()

Returns:

java.util.Date

(F) **getOriginSite**

public java.lang.String **getOriginSite**()

Return the originating network transceiver site identifier.

(G) **setOriginSite**

public void **setOriginSite**(java.lang.String newOriginSite)

Parameters:

newOriginSite - java.lang.String

(H) **setSentTime**

public void **setSentTime**(java.util.Date newSentTime)

Parameters:

newSentTime - java.util.Date

(I) **setSentTime**

public void **setSentTime**()

Set the time sent to current time.

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Class HTDevMessage

```
java.lang.Object
|
+-com.hoteltools.messages.HTMessage
|
+-com.hoteltools.messages.HTDevMessage
```

Direct Known Subclasses:

HTDevConnected, HTDevDisconnected

public abstract class **HTDevMessage**
extends HTMessage

This class is the base class for all hotel device (call accounting, PBX, etc) status messages sent between the network transceiver and the ASP.

See Also:

Serialized Form

Field Summary	
private int	<u>deviceId</u> Hotel device id (3 digits) that the message is for.
static java.lang.String	<u>jmsType</u>

Fields inherited from class com.hoteltools.messages.HTMessage
<u>originSite</u> , <u>sentTime</u>

Constructor Summary	
<u>HTDevMessage</u> (int newDeviceId)	

Method Summary	
int	<u>getDeviceId</u> ()
java.lang.String	<u>getJmsType</u> () Get the JMS type name for the class, which will be used to select messages from queue.
void	<u>setDeviceId</u> (int newDeviceId)

Methods inherited from class com.hoteltools.messages.HTMessage
<u>getOriginSite</u> , <u>getSentTime</u> , <u>setOriginSite</u> , <u>setSentTime</u> , <u>setSentTime</u>

Methods inherited from class java.lang.Object

, clone, equals, finalize, getClass, hashCode, notify, notifyAll, registerNatives, toString, wait, wait, wait

Field Detail

(A) jmsType

```
public static final java.lang.String jmsType
```

(B) deviceId

```
private int deviceId
```

Hotel device id (3 digits) that the message is for. Device 000 is the Control Protocol box itself.

Constructor Detail

(C) HTDevMessage

```
public HTDevMessage(int newDeviceId)
```

Method Detail

(D) getJmsType

```
public final java.lang.String getJmsType()
```

Description copied from class: HTMessage

Get the JMS type name for the class, which will be used to select messages from queue. The abstract "major category" classes will implement this method as a final method.

Overrides:

getJmsType in class HTMessage

(E) getDeviceId

```
public int getDeviceId()
```

Returns:

int

(F) setDeviceId

```
public void setDeviceId(int newDeviceId)
```

Parameters:

newDeviceId - int

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[Class HTDevDisconnected](#)

```
java.lang.Object
|
+-com.hoteltools.messages.HTMessage
|
+-com.hoteltools.messages.HTDevMessage
|
+-com.hoteltools.messages.HTDevDisconnected
```

public final class **HTDevDisconnected**
extends [HTDevMessage](#)

Message sent to ASP to indicate that a hotel device has stopped responding. One of these will be generated by the network transceiver when a device stops responding, and a HTDevConnected will be generated once the device starts responding again. Device 000 is the Control protocol box itself.

See Also:

[Serialized Form](#)

Fields inherited from class [com.hoteltools.messages.HTDevMessage](#)

[deviceId](#), [jmsType](#)

Fields inherited from class [com.hoteltools.messages.HTMessage](#)

[originSite](#), [sentTime](#)

Constructor Summary

HTDevDisconnected(int newDeviceId)

Methods inherited from class com.hoteltools.messages.HTDevMessage

getDeviceId, getJmsType, setDeviceId

Methods inherited from class com.hoteltools.messages.HTMessage

getOriginSite, getSentTime, setOriginSite, setSentTime, setSentTime

Methods inherited from class java.lang.Object

, clone, equals, finalize, getClass, hashCode, notify, notifyAll,
registerNatives, toString, wait, wait, wait

Constructor Detail

(A) HTDevDisconnected

public HTDevDisconnected(int newDeviceId)

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Class HTFmMessage

java.lang.Object

|
+- com.hoteltools.messages.HTMessage

HTHeartbeat, HTLostConnectivity, HTPowerLost, HTPowerRestored,
HTPrimaryRestored, HTSecondaryActivated, HTShuttingDown, HTSystemHalt,
HTSystemStart

This class is the base class for all Failure Mode messages sent between the network transceiver and the ASP.

Serialized Form

```
static java.lang.String jmsType
```

```
originSite, sentTime
```

```
HTFmMessage()
```

```
java.lang.String getJmsType()
```

Get the JMS type name for the class, which will be used to select messages from queue.

```
getOriginSite, getSentTime, setOriginSite, setSentTime, setSentTime
```

```
, clone, equals, finalize, getClass, hashCode, notify, notifyAll,
registerNatives, toString, wait, wait, wait
```

(A) jmsType

```
public static final java.lang.String jmsType
```

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(B) HTFmMessage

```
public HTFmMessage()
```

Method Detail

(C) getJmsType

```
public final java.lang.String getJmsType()
```

Description copied from class: HTMessage

Get the JMS type name for the class, which will be used to select messages from queue. The abstract "major category" classes will implement this method as a final method.

Overrides:

getJmsType in class HTMessage

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com.hoteltools.messages

Class HTHeartbeat

```
java.lang.Object
```

```
  |  
  +- com.hoteltools.messages.HTMessage  
    |  
    +- com.hoteltools.messages.HTFmMessage  
      |  
      +- com.hoteltools.messages.HTHeartbeat
```

```
public final class HTHeartbeat  
extends HTFmMessage
```

Heartbeat message sent to ASP to indicate good connection

See Also:

jmsType

```
originSite, sentTime
```

HTHeartbeat()

```
getJmsType
```

```
getOriginSite, getSentTime, setOriginSite, setSentTime, setSentTime
```

```
, clone, equals, finalize, getClass, hashCode, notify, notifyAll,
registerNatives, toString, wait, wait, wait
```

(A) HTHeartbeat

```
public HHeartbeat()
```

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com.hoteltools.messages

Class HTLostConnectivity

```
java.lang.Object
|
+--com.hoteltools.messages.HTMessage
    |
    +--com.hoteltools.messages.HTFmMessage
        |
        +--com.hoteltools.messages.HTLostConnectivity
```

```
public final class HTLostConnectivity
extends HTFmMessage
```

Message sent to ASP to indicate the high speed access has been lost. The network transceiver constantly pings the ASP to check for connectivity and sends this message if the ping fails. Of course, this message won't get through without the connection, but it is queued and sent when a connection has been restored so we can document when the disconnect occurred.

See Also:
[Serialized Form](#)

Fields inherited from class `com.hoteltools.messages.HTFmMessage`

jmsType

Fields inherited from class `com.hoteltools.messages.HTMessage`

```
originSite, sentTime
```

Constructor Summary

```
HTLostConnectivity()
```

Methods inherited from class `com.hoteltools.messages.HTFmMessage`

```
getJmsType
```

Methods inherited from class `com.hoteltools.messages.HTMessage`

[getOriginSite](#), [getSentTime](#), [setOriginSite](#), [setSentTime](#), [setSentTime](#)

Methods inherited from class `java.lang.Object`
`, clone, equals, finalize, getClass, hashCode, notify, notifyAll, registerNatives, toString, wait, wait, wait`

Constructor Detail
(A) `HTLostConnectivity`

```
public HTLostConnectivity()
```

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`com.hoteltools.messages`

Class `HTPowerLost`

```
java.lang.Object
|
+-com.hoteltools.messages.HTMessage
|
+-com.hoteltools.messages.HTFmMessage
|
+-com.hoteltools.messages.HTPowerLost
```

```
public final class HTPowerLost
extends HTFmMessage
```

Message sent to ASP to indicate power has been lost and network transceiver is running on battery backup

See Also:

Fields inherited from class com.hoteltools.messages.HTFmMessage

jmsType

Fields inherited from class com.hoteltools.messages.HTMessage

originSite, sentTime

Constructor Summary

HTPowerLost()

Methods inherited from class com.hoteltools.messages.HTFmMessage

getJmsType

Methods inherited from class com.hoteltools.messages.HTMessage

getOriginSite, getSentTime, setOriginSite, setSentTime, setSentTime

Methods inherited from class java.lang.Object

, clone, equals, finalize, getClass, hashCode, notify, notifyAll, registerNatives, toString, wait, wait, wait

Constructor Detail

(A) HTPowerLost

public HTPowerLost()

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[Class HTPowerRestored](#)

```
java.lang.Object
|
|--com.hoteltools.messages.HTMessage
|   |
|   |--com.hoteltools.messages.HTFmMessage
|       |
|       |--com.hoteltools.messages.HTPowerRestored
```

public final class **HTPowerRestored**
extends [HTFmMessage](#)

Message sent to ASP to indicate power has been restored.

See Also:

[Serialized Form](#)

Fields inherited from class com.hoteltools.messages.HTFmMessage
--

jmsType

Fields inherited from class com.hoteltools.messages.HTMessage
--

originSite, sentTime

Constructor Summary

HTPowerRestored()	
-----------------------------------	--

Methods inherited from class com.hoteltools.messages.HTFmMessage

getJmsType

Methods inherited from class com.hoteltools.messages.HTMessage

getOriginSite, getSentTime, setOriginSite, setSentTime, setSentTime

Methods inherited from class java.lang.Object

, clone, equals, finalize, getClass, hashCode, notify, notifyAll, registerNatives, toString, wait, wait, wait

Constructor Detail

(A) `HTPowerRestored`

```
public HTPowerRestored()
```

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`com.hoteltools.messages`

Class `HTPrimaryRestored`

```
java.lang.Object
```

```
 |  
+-com.hoteltools.messages.HTMessage
```

```
 |  
+-com.hoteltools.messages.HTFmMessage
```

```
 |  
+-com.hoteltools.messages.HTPrimaryRestored
```

```
public final class HTPrimaryRestored  
extends HTFmMessage
```

Message sent to ASP to indicate primary (high-speed) access restored

See Also:

[Serialized Form](#)

Fields inherited from class `com.hoteltools.messages.HTFmMessage`

`imsType`

Fields inherited from class com.hoteltools.messages.HTMessage

originSite, sentTime

Constructor Summary

HTPrimaryRestored()

Methods inherited from class com.hoteltools.messages.HTFmMessage

getJmsType

Methods inherited from class com.hoteltools.messages.HTMessage

getOriginSite, getSentTime, setOriginSite, setSentTime, setSentTime

Methods inherited from class java.lang.Object

, clone, equals, finalize, getClass, hashCode, notify, notifyAll, registerNatives, toString, wait, wait, wait

Constructor Detail

(A) HTPrimaryRestored

```
public HTPrimaryRestored()
```

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public HTPrimaryRestored()

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com.hoteltools.messages

Class HTSecondaryActivated

java.lang.Object

|
+-[com.hoteltools.messages.HTMessage](#)

|
+-[com.hoteltools.messages.HTFmMessage](#)

|
+-[com.hoteltools.messages.HTSecondaryActivated](#)

public final class **HTSecondaryActivated**

extends [HTFmMessage](#)

Message sent to ASP to indicate secondary (modem) connection activated

See Also:

[Serialized Form](#)

Fields inherited from class [com.hoteltools.messages.HTFmMessage](#)

[jmsType](#)

Fields inherited from class [com.hoteltools.messages.HTMessage](#)

[originSite](#), [sentTime](#)

Constructor Summary

[HTSecondaryActivated\(\)](#)

Methods inherited from class [com.hoteltools.messages.HTFmMessage](#)
[getJmsType](#)

Methods inherited from class [com.hoteltools.messages.HTMessage](#)
[getOriginSite](#), [getSentTime](#), [setOriginSite](#), [setSentTime](#), [setSentTime](#)

Methods inherited from class [java.lang.Object](#)
[clone](#), [equals](#), [finalize](#), [getClass](#), [hashCode](#), [notify](#), [notifyAll](#), [registerNatives](#), [toString](#), [wait](#), [wait](#), [wait](#)

Constructor Detail

(A) [HTSecondaryActivated](#)

`public HTSecondaryActivated()`

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[com.hoteltools.messages](#)

[Class HTShuttingDown](#)

`java.lang.Object`
|
`+--com.hoteltools.messages.HTMessage`
|
`+--com.hoteltools.messages.HTFmMessage`

00000000-00000000

public final class **HTShuttingDown**

 extends HTFmMessage

Message sent to ASP to indicate the network transceiver is shutting down due to a prolonged power outage

See Also:

Serialized Form

Fields inherited from class com.hoteltools.messages.HTFmMessage

jmsType

Fields inherited from class com.hoteltools.messages.HTMessage

originSite, sentTime

Constructor Summary

HTShuttingDown()

Methods inherited from class com.hoteltools.messages.HTFmMessage

getJmsType

Methods inherited from class com.hoteltools.messages.HTMessage

GetOriginSite, getSentTime, setOriginSite, setSentTime, setSentTime

Methods inherited from class java.lang.Object

, clone, equals, finalize, getClass, hashCode, notify, notifyAll, registerNatives, toString, wait, wait, wait

Constructor Detail

(A) HTShuttingDown

public HTShuttingDown()

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com.hoteltools.messages

Class HTSystemHalt

```
java.lang.Object
|
+-com.hoteltools.messages.HTMessage
|
|   +-com.hoteltools.messages.HTFmMessage
|   |
|   |   +-com.hoteltools.messages.HTSystemHalt
```

public final class **HTSystemHalt**
extends [HTFmMessage](#)

Message sent to ASP to indicate the system is being shut down. This could be the result of a prolonged power outage, a scheduled reboot, a reboot after a code update, etc.

See Also:

[Serialized Form](#)

Fields inherited from class [com.hoteltools.messages.HTFmMessage](#)

JmsType

Fields inherited from class [com.hoteltools.messages.HTMessage](#)

originSite, sentTime

Constructor Summary

[HTSystemHalt](#)()

Methods inherited from class [com.hoteltools.messages.HTFmMessage](#)

GetJmsType

Methods inherited from class [com.hoteltools.messages.HTMessage](#)

2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078 2079 2080 2081 2082 2083 2084 2085 2086 2087 2088 2089 2090 2091 2092 2093 2094 2095 2096 2097 2098 2099 2100 2101 2102 2103 2104 2105 2106 2107 2108 2109 2110 2111 2112 2113 2114 2115 2116 2117 2118 2119 2120 2121 2122 2123 2124 2125 2126 2127 2128 2129 2130 2131 2132 2133 2134 2135 2136 2137 2138 2139 2140 2141 2142 2143 2144 2145 2146 2147 2148 2149 2150 2151 2152 2153 2154 2155 2156 2157 2158 2159 2160 2161 2162 2163 2164 2165 2166 2167 2168 2169 2170 2171 2172 2173 2174 2175 2176 2177 2178 2179 2180 2181 2182 2183 2184 2185 2186 2187 2188 2189 2190 2191 2192 2193 2194 2195 2196 2197 2198 2199 2200 2201 2202 2203 2204 2205 2206 2207 2208 2209 2210 2211 2212 2213 2214 2215 2216 2217 2218 2219 2220 2221 2222 2223 2224 2225 2226 2227 2228 2229 2230 2231 2232 2233 2234 2235 2236 2237 2238 2239 2240 2241 2242 2243 2244 2245 2246 2247 2248 2249 2250 2251 2252 2253 2254 2255 2256 2257 2258 2259 2260 2261 2262 2263 2264 2265 2266 2267 2268 2269 2270 2271 2272 2273 2274 2275 2276 2277 2278 2279 2280 2281 2282 2283 2284 2285 2286 2287 2288 2289 2290 2291 2292 2293 2294 2295 2296 2297 2298 2299 2300 2301 2302 2303 2304 2305 2306 2307 2308 2309 2310 2311 2312 2313 2314 2315 2316 2317 2318 2319 2320 2321 2322 2323 2324 2325 2326 2327 2328 2329 2330 2331 2332 2333 2334 2335 2336 2337 2338 2339 2340 2341 2342 2343 2344 2345 2346 2347 2348 2349 2350 2351 2352 2353 2354 2355 2356 2357 2358 2359 2360 2361 2362 2363 2364 2365 2366 2367 2368 2369 2370 2371 2372 2373 2374 2375 2376 2377 2378 2379 2380 2381 2382 2383 2384 2385 2386 2387 2388 2389 2390 2391 2392 2393 2394 2395 2396 2397 2398 2399 2400 2401 2402 2403 2404 2405 2406 2407 2408 2409 2410 2411 2412 2413 2414 2415 2416 2417 2418 2419 2420 2421 2422 2423 2424 2425 2426 2427 2428 2429 2430 2431 2432 2433 2434 2435 2436 2437 2438 2439 2440 2441 2442 2443 2444 2445 2446 2447 2448 2449 2450 2451 2452 2453 2454 2455 2456 2457 2458 2459 2460 2461 2462 2463 2464 2465 2466 2467 2468 2469 2470 2471 2472 2473 2474 2475 2476 2477 2478 2479 2480 2481 2482 2483 2484 2485 2486 2487 2488 2489 2490 2491 2492 2493 2494 2495 2496 2497 2498 2499 2500 2501 2502 2503 2504 2505 2506 2507 2508 2509 2510 2511 2512 2513 2514 2515 2516 2517 2518 2519 2520 2521 2522 2523 2524 2525 2526 2527 2528 2529 2530 2531 2532 2533 2534 2535 2536 2537 2538 2539 2540 2541 2542 2543 2544 2545 2546 2547 2548 2549 2550 2551 2552 2553 2554 2555 2556 2557 2558 2559 2560 2561 2562 2563 2564 2565 2566 2567 2568 2569 2570 2571 2572 2573 2574 2575 2576 2577 2578 2579 2580 2581 2582 2583 2584 2585 2586 2587 2588 2589 2590 2591 2592 2593 2594 2595 2596 2597 2598 2599 2600 2601 2602 2603 2604 2605 2606 2607 2608 2609 2610 2611 2612 2613 2614 2615 2616 2617 2618 2619 2620 2621 2622 2623 2624 2625 2626 2627 2628 2629 2630 2631 2632 2633 2634 2635 2636 2637 2638 2639 2640 2641 2642 2643 2644 2645 2646 2647 2648 2649 2650 2651 2652 2653 2654 2655 2656 2657 2658 2659 2660 2661 2662 2663 2664 2665 2666 2667 2668 2669 2670 2671 2672 2673 2674 2675 2676 2677 2678 2679 2680 2681 2682 2683 2684 2685 2686 2687 2688 2689 2690 2691 2692 2693 2694 2695 2696 2697 2698 2699 2700 2701 2702 2703 2704 2705 2706 2707 2708 2709 2710 2711 2712 2713 2714 2715 2716 2717 2718 2719 2720 2721 2722 2723 2724 2725 2726 2727 2728 2729 2730 2731 2732 2733 2734 2735 2736 2737 2738 2739 2740 2741 2742 2743 2744 2745 2746 2747 2748 2749 2750 2751 2752 2753 2754 2755 2756 2757 2758 2759 2760 2761 2762 2763 2764 2765 2766 2767 2768 2769 2770 2771 2772 2773 2774 2775 2776 2777 2778 2779 2780 2781 2782 2783 2784 2785 2786 2787 2788 2789 2790 2791 2792 2793 2794 2795 2796 2797 2798 2799 2800 2801 2802 2803 2804 2805 2806 2807 2808 2809 2810 2811 2812 2813 2814 2815 2816 2817 2818

```
clone, equals, finalize, getClass, hashCode, notify, notifyAll,
registerNatives, toString, wait, wait, wait
```

(A) HTSystemHalt

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com.hoteltools.messages

```
java.lang.Object
|
+-com.hoteltools.messages.HTMessage
|
+-com.hoteltools.messages.HTFmMessage
|
+-com.hoteltools.messages.HTSystemStart
```

Message sent to ASP to indicate the system is starting up. This is sent whenever the tbmonitor app starts so it could also be sent if the tbmonitor app is restarted

See Also:

JmsType

```
originSite, sentTime
```

HTSystemStart()

GetImstType

```
getOriginSite, getSentTime, setOriginSite, setSentTime, setSentTime
```

```
, clone, equals, finalize, getClass, hashCode, notify, notifyAll,
registerNatives, toString, wait, wait, wait
```

```
public HTSystemStart()
```

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DETAIL: FIELD	<u>CONSTR</u> METHOD

Class HTPmsMessage

```

+--com.hotelttools.messages.HTMessage
    |
    +--com.hotelttools.messages.HTPmsMessage

```

HTCallPost, HTCheckIn, HTCheckOut, HTCopyMailbox, HTCreditLimit,
HTDoNotDisturb, HTError, HTExpressCheckOut, HTFolioHeaderList,
HTFolioRecordList, HTGuestMove, HTGuestSwap, HTKeyCardCreate, HTKeyLink,
HTNoop, HTPosPost, HTPost, HTRequestCheckIn, HTRequestExpressCheckOut,
HTRequestFolioHeaders, HTRequestFolioRecords, HTRequestKeyCardCreate,
HTRequestKeyLink, HTRequestPosPost, HTRequestRoomList,
HTRequestRoomMsgCounts, HTRequestRoomMsgs, HTRequestRoomStatus,
HTRestoreVoiceMail, HTRestrictPhone, HTRoomList, HTRoomMsgCounts,
HTRoomMsgList, HTRoomMsgStatus, HTRoomStatus, HTRoomStatusChange

This class is the base class for all PMS messages sent between the network transceiver and the ASP.

Serialized Form

Fields inherited from class [com.hoteltools.messages.HTMessage](#)

Constructor Summary

HTPmsMessage()	
-----------------------	--

Method Summary	
java.lang.String	getJmsType() Get the JMS type name for the class, which will be used to select messages from queue.
int	getTransactionId()
void	setTransactionId(int newTransactionId)

Methods inherited from class com.hoteltools.messages.HTMessage	
GetOriginSite, getSentTime, setOriginSite, setSentTime, setSentTime	

Methods inherited from class java.lang.Object	
, clone, equals, finalize, getClass, hashCode, notify, notifyAll, registerNatives, toString, wait, wait, wait	

Field Detail

(A) jmsType

```
public static final java.lang.String jmsType
```

(B) transactionId

```
private int transactionId
```

Transaction id of the message. The PMS should fill this in with a unique number. Network transceiver responses to PMS messages will set this id to match the original PMS message transaction id. If an error occurs because of a PMS message, HTError will be returned with the matching transaction id.

Constructor Detail

(C) HTPmsMessage

```
public HTPmsMessage()
```

Method Detail

(D) getJmsType

```
public final java.lang.String getJmsType()
```

Description copied from class: HTMessage

Get the JMS type name for the class, which will be used to select messages from queue. The abstract "major category" classes will implement this method as a final method.

Overrides:

getJmsType in class HTMMessage

(E) getTransactionId

public int getTransactionId()

Returns:

int

(F) setTransactionId

public void setTransactionId(int newTransactionId)

Parameters:

newTransactionId - int

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com.hoteltools.messages

Class HTCallPost

java.lang.Object

|
+-com.hoteltools.messages.HTMessage
|
+-com.hoteltools.messages.HTPmsMessage
|
+-com.hoteltools.messages.HTCallPost

public final class HTCallPost

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See Also:

Serialized Form

Field Summary	
private HTCurrency	<u>amount</u> Charge amount.
private HTCallType	<u>callType</u> Type of phone call.
private java.lang.String	<u>dialed</u> Phone number dialed.
private int	<u>duration</u> Duration of the phone call (in seconds).
private short	<u>phone</u> The room phone extension of the guest making the phone call.
private java.util.Date	<u>startTime</u> Time phone call began.
private boolean	<u>tandem</u> Was this a conference call?
private java.lang.String	<u>trunk</u> Phone trunk being used.

Fields inherited from class com.hoteltools.messages.HTPmsMessage

imsType, transactionId

Fields inherited from class `com.hoteltools.messages.HTMessage`
`originSite`, `sentTime`

Constructor Summary	
<u>HTCallPost()</u>	
Default constructor	

Method Summary	
<u>HTCurrency</u>	<u>getAmount()</u>
<u>HTCallType</u>	<u>getCallType()</u>
java.lang.String	<u>getDialed()</u>
int	<u>getDuration()</u>

short	<u>getPhone</u> ()
java.util.Date	<u>getStartTime</u> ()
java.lang.String	<u>getTrunk</u> ()
boolean	<u>isTandem</u> ()
void	<u>setAmount</u> (HTCurrency newAmount)
void	<u>setCallType</u> (HTCallType newCallType)
void	<u>setDialed</u> (java.lang.String newDialed)
void	<u>setDuration</u> (int newDuration)
void	<u>setPhone</u> (short newPhone)
void	<u>setStartTime</u> (java.util.Date newStartTime)
void	<u>setTandem</u> (boolean newTandem)
void	<u>setTrunk</u> (java.lang.String newTrunk)

Methods inherited from class com.hoteltools.messages.HTPmsMessage
GetJmsType, getTransactionId, setTransactionId

Methods inherited from class com.hoteltools.messages.HTMessage
GetOriginSite, getSentTime, setOriginSite, setSentTime, setSentTime

Methods inherited from class java.lang.Object
, clone, equals, finalize, getClass, hashCode, notify, notifyAll, registerNatives, toString, wait, wait, wait

Field Detail

(A) phone

private short phone

The room phone extension of the guest making the phone call.

(B) dialed

private java.lang.String dialed

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```
private HTCallType callType
    Type of phone call.
```

```
private java.util.Date startTime
    Time phone call began.
```

```
private int duration
    Duration of the phone call (in seconds).
```

```
private java.lang.String trunk
    Phone trunk being used.
```

private boolean tandem
Was this a conference call?

private HTCurrency amount
Charge amount.

(I) HTCallPost

Method Detail

public HTCurrency getAmount()
Returns:
 com.hoteltools.messages.HTCurrency

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com.hoteltools.messages.HTCallType

```
public java.lang.String getDialed()
```

java.lang.String

```
public int getDuration()
```

int

```
public short getPhone()
```

short

```
public java.util.Date getStartTime()
```

java.util.Date

```
public java.lang.String getTrunk()
```

java.lang.String

```
public boolean isTandem()
```

boolean

```
public void setAmount(HTCurrency newAmount)
```

newAmount - com.hoteltools.messages.HTCurrency

[illegible]

Parameters:

(T) setDialed

Parameters:

(U) setDuration

Parameters:

(V) setPhone

Parameters:

(W) `setStartTime`

Parameters:

(X) setTandem

Parameters:

(Y) setTrunk

Parameters:

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[com.hoteltools.messages](#)

[Class HTCheckIn](#)

java.lang.Object

 |
 +- [com.hoteltools.messages.HTMessage](#)

 |
 +- [com.hoteltools.messages.HTPmsMessage](#)

 |
 +- [com.hoteltools.messages.HTCheckIn](#)

public final class **HTCheckIn**
extends [HTPmsMessage](#)

An HTCheckIn is the message used to check in a guest. Usage: sent by PMS to the network transceiver.

See Also:

[Serialized Form](#)

Field Summary	
private HTAccount	account Account information for the guest.
private boolean	firstGuest True if this is the first guest in the room.
private HTGuest	guest The guest being checked in.
private HTRoom	room The room the guest is checking into.

Fields inherited from class com.hoteltools.messages.HTPmsMessage

T0530" 9998888

```
jmsType, transactionId
```

Fields inherited from class `com.hoteltools.messages.HTMessage`

```
originSite, sentTime
```

Constructor Summary

HTCheckIn()

Default constructor

```
HTCheckIn(java.lang.String guestName,      java.lang.String accountName,
java.lang.String roomName,      short phone,      boolean firstGuest)
```

<p>Initializing constructor, fills in required fields only</p>
--

Method Summary

HTAccount	<u>getAccount</u> ()
-----------	----------------------

HTGuest	getGuest()
---------	------------

<u>HTRoom</u>	<u>getRoom()</u>
---------------	------------------

```
boolean isFirstGuest()
```

```
void setAccount(HTAccount newAccount)
```

```
void setFirstGuest(boolean newFirstGuest)
```

```
void setGuest(HTGuest newGuest)
```

```
void setRoom (HTRoom newRoom)
```

Methods inherited from class `com.hoteltools.messages.HTPmsMessage`

```
getJmsType, getTransactionId, setTransactionId
```

Methods inherited from class `com.hoteltools.messages.HTMessage`

```
getOriginSite, getSentTime, setOriginSite, setSentTime, setSentTime
```

Methods inherited from class java.lang.Object

```
, clone, equals, finalize, getClass, hashCode, notify, notifyAll,  
registerNatives, toString, wait, wait, wait
```

Field Detail	
--------------	--

(A) guest

public HTGuest **getGuest**()
Returns:
com.hoteltools.messages.HTGuest

(I) **getRoom**

public HTRoom **getRoom**()
Returns:
com.hoteltools.messages.HTRoom

(J) **isFirstGuest**

public boolean **isFirstGuest**()
Returns:
boolean

(K) **setAccount**

public void **setAccount**(HTAccount newAccount)
Parameters:
newAccount - com.hoteltools.messages.HTAccount

(L) **setGuest**

public void **setGuest**(HTGuest newGuest)
Parameters:
newGuest - com.hoteltools.messages.HTGuest

(M) **setRoom**

public void **setRoom**(HTRoom newRoom)
Parameters:
newRoom - com.hoteltools.messages.HTRoom

(N) **setFirstGuest**

public void **setFirstGuest**(boolean newFirstGuest)
Parameters:
newFirstGuest - boolean

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[com.hotelttools.messages](#)

[Class HTCheckOut](#)

```
java.lang.Object
|
+-com.hotelttools.messages.HTMessage
|
+-com.hotelttools.messages.HTPmsMessage
|
+-com.hotelttools.messages.HTCheckOut
```

public final class **HTCheckOut**
extends [HTPmsMessage](#)

An HTCheckOut is the message used to check out a guest. Usage: sent by PMS to the network transceiver.

See Also:

[Serialized Form](#)

Field Summary	
private HTGuestId	guestId The id of the guest being checked out.
private boolean	lastGuest True if this is the last guest in the room.

Fields inherited from class com.hotelttools.messages.HTPmsMessage	
jmsType , transactionId	

```
originSite, sentTime
```

HTCheckOut()

```
HTCheckOut(java.lang.String guestName,      java.lang.String roomName,  
short phone)
```

Initializing constructor

```
HTGuestId getGuestId()
```

```
boolean isLastGuest()
```

```
void setGuestId(HUGuestId newGuestId)
```

```
void setLastGuest(boolean newLastGuest)
```

```
getJmsType, getTransactionId, setTransactionId
```

```
getOriginSite, getSentTime, setOriginSite, setSentTime, setSentTime
```

```
, clone, equals, finalize, getClass, hashCode, notify, notifyAll,
registerNatives, toString, wait, wait, wait
```

(A) guestId

```
private HTGuestId guestId
```

The id of the guest being checked out.

(B) lastGuest

```
private boolean lastGuest
```

True if this is the last guest in the room.

Constructor Detail

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```
public HTCheckOut(java.lang.String guestName,  
                  java.lang.String roomName,  
                  short phone)
```

Initializing constructor

(E) `getGuestId`

(F) isLastGuest

(G) `setGuestId`

(H) `setLastGuest`

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com.hoteltools.messages

Class HTCopyMailbox

```

java.lang.Object
|
+-com.hoteltools.messages.HTMessage
    |
    +-com.hoteltools.messages.HTPmsMessage
        |
        +-com.hoteltools.messages.HTCopyMailbox
    
```

```

public final class HTCopyMailbox
extends HTPmsMessage
    
```

An HTCopyMailbox is the message used to copy a guest mailbox. Usage: sent by PMS to the network transceiver.

See Also:

[Serialized Form](#)

Field Summary

private short	from	The source room phone extension.
private short	to	The destination room phone extension.

Fields inherited from class com.hoteltools.messages.[HTPmsMessage](#)

[jmsType](#), [transactionId](#)

Fields inherited from class com.hoteltools.messages.[HTMessage](#)

[originSite](#), [sentTime](#)

Constructor Summary

[HTCopyMailbox](#)()

Method Summary

short getFrom()

short getTo()

void setFrom(short newFrom)

void setTo(short newTo)

Methods inherited from class com.hoteltools.messages.HTPmsMessage

getJmsType, getTransactionId, setTransactionId

Methods inherited from class com.hoteltools.messages.HTMessage

getOriginSite, getSentTime, setOriginSite, setSentTime, setSentTime

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, registerNatives, toString, wait, wait, wait

Field Detail

(A) from

private short from

The source room phone extension.

(B) to

private short to

The destination room phone extension.

Constructor Detail

(C) HTCopyMailbox

public HTCopyMailbox()

Method Detail

(D) getFrom

public short getFrom()

Returns:

short

(E) `getTo`

```
public short getTo()
```

Returns:

short

(F) `setFrom`

```
public void setFrom(short newFrom)
```

Parameters:

newFrom - short

(G) `setTo`

```
public void setTo(short newTo)
```

Parameters:

newTo - short

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com.hoteltools.messages

Class HTCreditLimit

```
java.lang.Object
```

```
  |  
  +-com.hoteltools.messages.HTMessage  
    |  
    +-com.hoteltools.messages.HTPmsMessage  
      |  
      +-com.hoteltools.messages.HTCreditLimit
```

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[illegible]

See Also:
Serialized Form

Fields inherited from class <code>com.hoteltools.messages.HTTPmsMessage</code>
<code>msgType, transactionId</code>

Constructor Summary	
<u>HTCreditLimit()</u>	

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Methods inherited from class com.hoteltools.messages.HTPmsMessage

getJmsType, getTransactionId, setTransactionId

Methods inherited from class com.hoteltools.messages.HTMessage

getOriginSite, getSentTime, setOriginSite, setSentTime, setSentTime

Methods inherited from class java.lang.Object

, clone, equals, finalize, getClass, hashCode, notify, notifyAll, registerNatives, toString, wait, wait, wait

Field Detail

(A) accountName

private java.lang.String **accountName**
The account number (or name).

(B) room

private HTRoom **room**
The room data.

(C) creditLimit

private HTCurrency **creditLimit**
Credit limit for one-way posting devices.

(D) allowPost

private boolean **allowPost**
True = allow simple posting for guest.

Constructor Detail

(E) HTCreditLimit

public **HTCreditLimit()**

Method Detail

(F) getAccountName

public java.lang.String **getAccountName()**
Returns:
java.lang.String

(G) `getCreditLimit`

```
public HTCurrency getCreditLimit()  
    Returns:  
    com.hoteltools.messages.HTCurrency
```

(H) `getRoom`

```
public HTRoom getRoom()  
    Returns:  
    com.hoteltools.messages.HTRoom
```

(I) `isAllowPost`

```
public boolean isAllowPost()  
    Returns:  
    boolean
```

(J) `setAccountName`

```
public void setAccountName(java.lang.String newAccountName)  
    Parameters:  
    newAccountName - java.lang.String
```

(K) `setAllowPost`

```
public void setAllowPost(boolean newAllowPost)  
    Parameters:  
    newAllowPost - boolean
```

(L) `setCreditLimit`

```
public void setCreditLimit(HTCurrency newCreditLimit)  
    Parameters:  
    newCreditLimit - com.hoteltools.messages.HTCurrency
```

(M) `setRoom`

```
public void setRoom(HTRoom newRoom)  
    Parameters:  
    newRoom - com.hoteltools.messages.HTRoom
```

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[com.hoteltools.messages](#)

[Class HTDoNotDisturb](#)

```
java.lang.Object
|
+-com.hoteltools.messages.HTMessage
|
+-com.hoteltools.messages.HTPmsMessage
|
+-com.hoteltools.messages.HTDoNotDisturb
```

public final class HTDoNotDisturb
extends [HTPmsMessage](#)

An HTDoNotDisturb is the message used to notify a change in the Do Not Disturb status of the room. Usage: sent by both the PMS and the network transceiver.

See Also:

[Serialized Form](#)

Field Summary

private	roomId
HTRoomId	The room identifier.

Fields inherited from class [com.hoteltools.messages.HTPmsMessage](#)

[jmsType](#), [transactionId](#)

Fields inherited from class [com.hoteltools.messages.HTMessage](#)

[originSite](#), [sentTime](#)

Constructor Summary	
<u>HTDoNotDisturb()</u>	

Method Summary	
<u>HTRoomId</u>	<u>getRoomId()</u>
void	<u>setRoomId</u> (<u>HTRoomId</u> newRoomId)

Methods inherited from class <u>com.hoteltools.messages.HTPmsMessage</u>
<u>getJmsType</u> , <u>getTransactionId</u> , <u>setTransactionId</u>

Methods inherited from class <u>com.hoteltools.messages.HTMessage</u>
<u>getOriginSite</u> , <u>getSentTime</u> , <u>setOriginSite</u> , <u>setSentTime</u> , <u>setSentTime</u>

Methods inherited from class <u>java.lang.Object</u>
<u>clone</u> , <u>equals</u> , <u>finalize</u> , <u>getClass</u> , <u>hashCode</u> , <u>notify</u> , <u>notifyAll</u> , <u>registerNatives</u> , <u>toString</u> , <u>wait</u> , <u>wait</u> , <u>wait</u>

Field Detail

(A) roomId

```
private HTRoomId roomId
    The room identifier.
```

Constructor Detail

(B) HTDoNotDisturb

```
public HTDoNotDisturb()
```

Method Detail

(C) getRoomId

```
public HTRoomId getRoomId()
    Returns:
    com.hoteltools.messages.HTRoomId
```

(D) setRoomId

```
public void setRoomId(HTRoomId newRoomId)
```

Parameters:

newRoomId - com.hoteltools.messages.HTRoomId

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com.hoteltools.messages

Class HTErrors

```
java.lang.Object
|
+-com.hoteltools.messages.HTMessage
|
+-com.hoteltools.messages.HTPmsMessage
|
+-com.hoteltools.messages.HTErrors
```

public final class **HTErrors**
extends [HTPmsMessage](#)

An HTErrors is a general error message. Usage: sent by the network transceiver in response to any PMS message (see HTPmsMessage).

See Also:

[Serialized Form](#)

Field Summary

	<u>description</u>
private java.lang.String	Description of the error.
	<u>errorName</u>
private java.lang.String	Error number (or name).

Fields inherited from class com.hoteltools.messages.HTPmsMessage

jmsType, transactionId

Fields inherited from class com.hoteltools.messages.HTMessage

originSite, sentTime

Constructor Summary

HTError()

Method Summary

java.lang.String **getDescription()**

java.lang.String **getErrorName()**

void **setDescription**(java.lang.String newDescription)

void **setErrorName**(java.lang.String newErrorName)

Methods inherited from class com.hoteltools.messages.HTPmsMessage

getJmsType, getTransactionId, setTransactionId

Methods inherited from class com.hoteltools.messages.HTMessage

getOriginSite, getSentTime, setOriginSite, setSentTime, setSentTime

Methods inherited from class java.lang.Object

, clone, equals, finalize, getClass, hashCode, notify, notifyAll, registerNatives, toString, wait, wait, wait

Field Detail**(A) errorName**

private java.lang.String **errorName**
Error number (or name).

(B) description

private java.lang.String **description**
Description of the error.

Constructor Detail**(C) HTError**

public **HTError**()

Method Detail

(D) `getDescription`

```
public java.lang.String getDescription()
```

Returns:

java.lang.String

(E) `getErrorName`

```
public java.lang.String getErrorName()
```

Returns:

java.lang.String

(F) `setDescription`

```
public void setDescription(java.lang.String newDescription)
```

Parameters:

newDescription - java.lang.String

(G) `setErrorName`

```
public void setErrorName(java.lang.String newErrorName)
```

Parameters:

newErrorName - java.lang.String

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Class HTEExpressCheckOut

```
java.lang.Object
|
+-com.hoteltools.messages.HTMessage
|
+-com.hoteltools.messages.HTPmsMessage
|
+-com.hoteltools.messages.HTExpressCheckOut
```

```
public final class HTExpressCheckOut
extends HTPmsMessage
```

An HTExpressCheckOut is the message used to express check out a guest. Usage: sent by PMS to the network transceiver in response to a HTRequestExpressCheckOut.

See Also:

Serialized Form

Field Summary	
private boolean	<u>confirmed</u> True if guest is allowed to express checkout.
private <u>HTGuestId</u>	<u>guestId</u> The guest being checked out.

Fields inherited from class `com.hoteltools.messages.HTTPmsMessage`
`msgType`, `transactionId`

Fields inherited from class `com.hoteltools.messages.HTMessage`
`originSite`, `sentTime`

Constructor Summary	
<u>HTExpressCheckOut</u> ()	

Method Summary	
HTGuestId	<u>getGuestId</u> ()
boolean	<u>isConfirmed</u> ()
void	<u>setConfirmed</u> (boolean newConfirmed)
void	<u>setGuestId</u> (HTGuestId newGuestId)

Methods inherited from class `com.hoteltools.messages.HTPmsMessage`

`getJmsType`, `getTransactionId`, `setTransactionId`

Methods inherited from class `com.hoteltools.messages.HTMessage`

`getOriginSite`, `getSentTime`, `setOriginSite`, `setSentTime`, `setSentTime`

Methods inherited from class `java.lang.Object`

`clone`, `equals`, `finalize`, `getClass`, `hashCode`, `notify`, `notifyAll`, `registerNatives`, `toString`, `wait`, `wait`, `wait`

Field Detail

(A) `guestId`

```
private HTGuestId guestId
    The guest being checked out.
```

(B) `confirmed`

```
private boolean confirmed
    True if guest is allowed to express checkout.
```

Constructor Detail

(C) `HTExpressCheckOut`

```
public HTExpressCheckOut()
```

Method Detail

(D) `getGuestId`

```
public HTGuestId getGuestId()
    Returns:
    com.hoteltools.messages.HTGuestId
```

(E) `isConfirmed`

```
public boolean isConfirmed()
    Returns:
    boolean
```

(F) `setConfirmed`

```
public void setConfirmed(boolean newConfirmed)
```

Parameters:
newConfirmed - boolean

(G) [setGuestId](#)

public void **setGuestId**([HTGuestId](#) newGuestId)

Parameters:
newGuestId - com.hoteltools.messages.HTGuestId

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com.hoteltools.messages

Class HTFolioHeaderList

```
java.lang.Object
|
+-com.hoteltools.messages.HTMessage
|
+-com.hoteltools.messages.HTPmsMessage
|
+-com.hoteltools.messages.HTFolioHeaderList
```

public final class **HTFolioHeaderList**
extends [HTPmsMessage](#)

An HTFolioHeaderList is a list of the folio headers. Usage: sent by PMS to the network transceiver in response to a HTRequestFolioHeaders.

See Also:
[Serialized Form](#)

Field Summary

private	headers
---------	-------------------------

HTFolioHeader[]	Folio headers.
-----------------	----------------

Fields inherited from class `com.hoteltools.messages.HTPmsMessage`

jmsType, transactionId

Fields inherited from class `com.hoteltools.messages.HTMessage`

```
originSite, sentTime
```

Constructor Summary

HTFolioHeaderList()

Method Summary

HTFolioHeader[]	getHeaders()
-----------------	--------------

```
void setHeaders(HTFolioHeader[] newHeaders)
```

Methods inherited from class `com.hoteltools.messages.HTPmsMessage`

```
getJmsType, getTransactionId, setTransactionId
```

Methods inherited from class `com.hoteltools.messages.HTMessage`

```
getOriginSite, getSentTime, setOriginSite, setSentTime, setSentTime
```

Methods inherited from class `java.lang.Object`

```
, clone, equals, finalize, getClass, hashCode, notify, notifyAll,
registerNatives, toString, wait, wait, wait
```

Field Detail

(A) headers

```
private HTFolioHeader[] headers
```

Folio headers.

Constructor Detail

(B) HTFolioHeaderList

```
public HTFolioHeaderList()
```

Method Detail

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Returns:

(D) `setHeaders`

Parameters:

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Class HTFolioRecordList

```

|
+-com.hoteltools.messages.HTMessage
    |
    +-com.hoteltools.messages.HTPmsMessage
        |
        +-com.hoteltools.messages.HTFolioRecordList

```

An HTFolioRecordList is a list of the folio records. Usage: sent by PMS to the network transceiver sent in response to a HTRequestFolioRecords message.

Serialized Form

private java.lang.String	<u>accountName</u> Account the folio is for.
private <u>HTCurrency</u>	<u>balance</u> Balance of the account.
private <u>HTFolioReccrd[]</u>	<u>records</u> Folio records.
private java.lang.String	<u>roomName</u> Room number (or name).

```
jmsType, transactionId
```

```
originSite, sentTime
```

<u>HTFolioRecordList()</u>	
----------------------------	--

java.lang.String	<u>getAccountName</u> ()
<u>HTCurrency</u>	<u>getBalance</u> ()
<u>HTFolioRecord</u> []	<u>getRecords</u> ()
java.lang.String	<u>getRoomName</u> ()
void	<u>setAccountName</u> (java.lang.String newAccountName)
void	<u>setBalance</u> (<u>HTCurrency</u> newBalance)
void	<u>setRecords</u> (<u>HTFolioRecord</u> [] newRecords)
void	<u>setRoomName</u> (java.lang.String newRoomName)

```
getJmsType, getTransactionId, setTransactionId
```

Methods inherited from class com.hoteltools.messages.HTMessage

getOriginSite, getSentTime, setOriginSite, setSentTime, setSentTime

Methods inherited from class java.lang.Object

, clone, equals, finalize, getClass, hashCode, notify, notifyAll, registerNatives, toString, wait, wait, wait

Field Detail

(A) roomName

private java.lang.String **roomName**
Room number (or name).

(B) accountName

private java.lang.String **accountName**
Account the folio is for.

(C) balance

private HTCurrency **balance**
Balance of the account.

(D) records

private HTFolioRecord[] **records**
Folio records.

Constructor Detail**(E) HTFolioRecordList**

public HTFolioRecordList()

Method Detail**(F) getAccountName**

public java.lang.String **getAccountName()**
Returns:
java.lang.String

(G) getBalance

public HTCurrency **getBalance()**
Returns:

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com.hoteltools.messages

Class HTGuestMove

```

java.lang.Object
|
+-com.hoteltools.messages.HTMessage
    |
    +-com.hoteltools.messages.HTPmsMessage
        |
        +-com.hoteltools.messages.HTGuestMove
    
```

public final class **HTGuestMove**
extends [HTPmsMessage](#)

An HTGuestMove is the message used to move a guest to another room. Usage: sent by PMS to the network transceiver.

See Also:

[Serialized Form](#)

Field Summary

private HTAccount	account Account information for the guest.
private HTRoom	fromRoom The room the guest is moving from.
private HTGuest	guest The guest being moved.
private HTRoomId	toRoom The room the guest is moving to.

Fields inherited from class com.hoteltools.messages.HTPmsMessage

[jnsType](#), [transactionId](#)

Fields inherited from class com.hoteltools.messages.HTMessage

[originSite](#), [sentTime](#)

Constructor Summary

HTGuestMove()

Default constructor

HTGuestMove(java.lang.String guestName, java.lang.String accountName,
java.lang.String fromRoomName, short fromRoomPhone,
java.lang.String toRoomName, short toRoomPhone)

Method Summary

HTAccount getAccount()

HTRoom getFromRoom()

HTGuest getGuest()

HTRoomId getToRoom()

void setAccount(HTAccount newAccount)

void setFromRoom(HTRoom newFromRoom)

void setGuest(HTGuest newGuest)

void setToRoom(HTRoomId newToRoom)

Methods inherited from class com.hoteltools.messages.HTPmsMessage

getJmsType, getTransactionId, setTransactionId

Methods inherited from class com.hoteltools.messages.HTMessage

getOriginSite, getSentTime, setOriginSite, setSentTime, setSentTime

Methods inherited from class java.lang.Object

, clone, equals, finalize, getClass, hashCode, notify, notifyAll,
registerNatives, toString, wait, wait, wait

Field Detail

(A) guest

private HTGuest guest
The guest being moved.

(B) account

private HTAccount **account**
Account information for the guest.

(C) fromRoom

private HTRoom **fromRoom**
The room the guest is moving from.

(D) toRoom

private HTRoomId **toRoom**
The room the guest is moving to.

Constructor Detail

(E) HTGuestMove

public HTGuestMove()
Default constructor

(F) HTGuestMove

public HTGuestMove(java.lang.String guestName,
java.lang.String accountName,
java.lang.String fromRoomName,
short fromRoomPhone,
java.lang.String toRoomName,
short toRoomPhone)

Method Detail

(G) getAccount

public HTAccount **getAccount**()
Returns:
com.hoteltools.messages.HTAccount

(H) getFromRoom

public HTRoom **getFromRoom**()
Returns:
com.hoteltools.messages.HTRoom

(I) getGuest

public HTGuest **getGuest**()
Returns:
com.hoteltools.messages.HTGuest

(J) `getToRoom`

```
public HTRoomId getToRoom()
```

Returns:

`com.hoteltools.messages.HTRoomId`

(K) `setAccount`

```
public void setAccount(HTAccount newAccount)
```

Parameters:

`newAccount` - `com.hoteltools.messages.HTAccount`

(L) `setFromRoom`

```
public void setFromRoom(HTRoom newFromRoom)
```

Parameters:

`newFromRoom` - `com.hoteltools.messages.HTRoom`

(M) `setGuest`

```
public void setGuest(HTGuest newGuest)
```

Parameters:

`newGuest` - `com.hoteltools.messages.HTGuest`

(N) `setToRoom`

```
public void setToRoom(HTRoomId newToRoom)
```

Parameters:

`newToRoom` - `com.hoteltools.messages.HTRoomId`

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Class HTGuestSwap

```
java.lang.Object
|
+-com.hoteltools.messages.HTMessage
|
+-com.hoteltools.messages.HTPmsMessage
|
+-com.hoteltools.messages.HTGuestSwap
```

```
public final class HTGuestSwap
extends HTPmsMessage
```

An HTGuestSwap is the message used to swap two guest rooms. Usage: sent by PMS to the network transceiver.

See Also:

Serialized Form

Field Summary	
private HTRoomId	<u>room1</u> The first guest being swapped.
private HTRoomId	<u>room2</u> The second guest being swapped.

Fields inherited from class com.hoteltools.messages.HTPmsMessage	
<u>jmsType</u> , <u>transactionId</u>	

Fields inherited from class com.hoteltools.messages.HTMessage	
<u>originSite</u> , <u>sentTime</u>	

Constructor Summary	
<u>HTGuestSwap</u> ()	

Method Summary	
<u>HTRoomId</u>	<u>getRoom1</u> ()
<u>HTRoomId</u>	<u>getRoom2</u> ()
void	<u>setRoom1</u> (<u>HTRoomId</u> newRoom1)
void	<u>setRoom2</u> (<u>HTRoomId</u> newRoom2)

Methods inherited from class com.hoteltools.messages.HTPmsMessage
getJmsType, getTransactionId, setTransactionId

Methods inherited from class com.hoteltools.messages.HTMessage
getOriginSite, getSentTime, setOriginSite, setSentTime, setSentTime

Methods inherited from class java.lang.Object
, clone, equals, finalize, getClass, hashCode, notify, notifyAll, registerNatives, toString, wait, wait, wait

Field Detail

(A) room1

private HTRoomId room1

The first guest being swapped.

(B) room2

private HTRoomId room2

The second guest being swapped.

Constructor Detail

(C) HTGuestSwap

public HTGuestSwap()

Method Detail

(D) getRoom1

public HTRoomId getRoom1()

Returns:

com.hoteltools.messages.HTRoomId

(E) getRoom2

public HTRoomId getRoom2()

Returns:

com.hoteltools.messages.HTRoomId

(F) setRoom1

public void **setRoom1**([HTRoomId](#) newRoom1)

Parameters:

newRoom1 - [com.hoteltools.messages.HTRoomId](#)

(G) **setRoom2**

public void **setRoom2**([HTRoomId](#) newRoom2)

Parameters:

newRoom2 - [com.hoteltools.messages.HTRoomId](#)

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com.hoteltools.messages

Class HTKeyCardCreate

java.lang.Object

|
+-[com.hoteltools.messages.HTMessage](#)
|
+-[com.hoteltools.messages.HTPmsMessage](#)
|
+-**com.hoteltools.messages.HTKeyCardCreate**

public final class **HTKeyCardCreate**
extends [HTPmsMessage](#)

An HTKeyCardCreate confirms that a key card was created. Usage: sent by the network transceiver to the PMS in response to HTRequestKeyCardCreate.

See Also:

[Serialized Form](#)

Field Summary

private short	<u>count</u> Number of keys created.
private java.lang.String	<u>displayText</u> Text displayed on the key card machine at the front desk.
private int	<u>encoder</u> Key card encoder that created the key.
private HTKeyCardCreateError	<u>error</u> Error code (whether key was created).
private java.lang.String	<u>errorText</u> Textual error description.
private int	<u>terminal</u> PMS terminal identifier.

Fields inherited from class com.hoteltools.messages.HTPmsMessage

jmsType, transactionId

Fields inherited from class com.hoteltools.messages.HTMessage

originSite, sentTime

Constructor Summary

HTKeyCardCreate()

Method Summary

short	<u>getCount()</u>
java.lang.String	<u>getDisplayText()</u>
int	<u>getEncoder()</u>
HTKeyCardCreateError	<u>getError()</u>
java.lang.String	<u>getErrorText()</u>
int	<u>getTerminal()</u>
void	<u>setCount</u> (short newCount)
void	<u>setDisplayText</u> (java.lang.String newDisplayText)
void	<u>setEncoder</u> (int newEncoder)
void	<u>setError</u> (HTKeyCardCreateError newError)

(F) `errorText`

private java.lang.String `errorText`
Textual error description.

Constructor Detail

(G) `HTKeyCardCreate`

public `HTKeyCardCreate()`

Method Detail

(H) `getCount`

public short `getCount()`

Returns:
short

(I) `getDisplayText`

public java.lang.String `getDisplayText()`

Returns:
java.lang.String

(J) `getEncoder`

public int `getEncoder()`

Returns:
int

(K) `getError`

public `HTKeyCardCreateError` `getError()`

Returns:
`com.hoteltools.messages.HTKeyCardCreateError`

(L) `getErrorText`

public java.lang.String `getErrorText()`

Returns:
java.lang.String

(M) `getTerminal`

public int `getTerminal()`

Returns:
int

(N) `setCount`

public void **setCount**(short newCount)

Parameters:

newCount - short

(O) `setDisplayText`

public void **setDisplayText**(java.lang.String newDisplayText)

Parameters:

newDisplayText - java.lang.String

(P) `setEncoder`

public void **setEncoder**(int newEncoder)

Parameters:

newEncoder - int

(Q) `setError`

public void **setError**(HTKeyCardCreateError newError)

Parameters:

newError - com.hoteltools.messages.HTKeyCardCreateError

(R) `setErrorText`

public void **setErrorText**(java.lang.String newErrorText)

Parameters:

newErrorText - java.lang.String

(S) `setTerminal`

public void **setTerminal**(int newTerminal)

Parameters:

newTerminal - int

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com.hoteltools.messages

Class HTKeyLink

```

java.lang.Object
|
+-com.hoteltools.messages.HTMessage
    |
    +-com.hoteltools.messages.HTPmsMessage
        |
        +-com.hoteltools.messages.HTKeyLink
    
```

public final class **HTKeyLink**
 extends [HTPmsMessage](#)

An HTKeyLink tells whether or not the Key Card system link has been established. Usage: sent by the network transceiver to the PMS in response to a HTRequestKeyLink.

See Also:

[Serialized Form](#)

Field Summary

private	error
HTKeyLinkError	Error code.

Fields inherited from class [com.hoteltools.messages.HTPmsMessage](#)

[jmsType](#), [transactionId](#)

Fields inherited from class [com.hoteltools.messages.HTMessage](#)

[originSite](#), [sentTime](#)

Constructor Summary

HTKeyLink ()	
------------------------------	--

Method Summary

HTKeyLinkError	getError ()
--------------------------------	-----------------------------

	void setError (<u>HTKeyLinkError</u> newError)

Methods inherited from class com.hoteltools.messages.HTPmsMessage

getJmsType, getTransactionId, setTransactionId

Methods inherited from class com.hoteltools.messages.HTMessage

getOriginSite, getSentTime, setOriginSite, setSentTime, setSentTime

Methods inherited from class java.lang.Object

, clone, equals, finalize, getClass, hashCode, notify, notifyAll, registerNatives, toString, wait, wait, wait

Field Detail

(A) error

private HTKeyLinkError **error**

Error code.

Constructor Detail

(B) HTKeyLink

public HTKeyLink()

Method Detail

(C) getError

public HTKeyLinkError **getError**()

Returns:

com.hoteltools.messages.HTKeyLinkError

(D) setError

public void **setError**(HTKeyLinkError newError)

Parameters:

newError - com.hoteltools.messages.HTKeyLinkError

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com.hoteltools.messages

Class HTNoop

```

java.lang.Object
|
+-com.hoteltools.messages.HTMessage
    |
    +-com.hoteltools.messages.HTPmsMessage
        |
        +-com.hoteltools.messages.HTNoop
    
```

public final class **HTNoop**
 extends [HTPmsMessage](#)

Represents a NO-OP message. Usefull for waking up threads waiting on queues.

See Also:

[Serialized Form](#)

Fields inherited from class com.hoteltools.messages.HTPmsMessage

jmsType, transactionId

Fields inherited from class com.hoteltools.messages.HTMessage
--

originSite, sentTime

Constructor Summary

HTNoop()	
--------------------------	--

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Methods inherited from class `com.hoteltools.messages.HTPmsMessage`

`getJmsType`, `getTransactionId`, `setTransactionId`

Methods inherited from class `com.hoteltools.messages.HTMessage`

`getOriginSite`, `getSentTime`, `setOriginSite`, `setSentTime`, `setSentTime`

Methods inherited from class `java.lang.Object`

`clone`, `equals`, `finalize`, `getClass`, `hashCode`, `notify`, `notifyAll`, `registerNatives`, `toString`, `wait`, `wait`, `wait`

Constructor Detail

(A) `HTNoop`

```
public HTNoop()
```

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`com.hoteltools.messages`

Class `HTPosPost`

`java.lang.Object`

```
|  
+-com.hoteltools.messages.HTMessage  
  |  
  +-com.hoteltools.messages.HTPmsMessage  
    |  
    +-com.hoteltools.messages.HTPosPost
```

```
public final class HTPosPost
```

extends HTPmsMessage

A HTPosPost is sent in to accept or reject a point of sale posting. Usage: sent by the PMS to the network transceiver in response to a HTRequestPosPost.

See Also:

Serialized Form

Field Summary	
private <u>HTAccountId</u>	<u>accountId</u> Guest account being charged (from HTRequestPosPost).
private java.lang.String	<u>comment</u> Comments.
private <u>HTHotelDeviceType</u>	<u>deviceType</u> Type of hotel device that made the posting (from HTRequestPosPost).
private <u>HTPosPostError</u>	<u>error</u> PMS error for the posting.
private java.lang.String	<u>pmsResponseText</u> PMS response text to hotel device.

Fields inherited from class com.hoteltools.messages.HTPmsMessage
jmsType, transactionId

Fields inherited from class com.hoteltools.messages.HTMessage
originSite, sentTime

Constructor Summary
<u>HTPosPost</u> ()

Method Summary	
<u>HTAccountId</u>	<u>getAccountId</u> ()
java.lang.String	<u>getComment</u> ()
<u>HTHotelDeviceType</u>	<u>getDeviceType</u> ()
<u>HTPosPostError</u>	<u>getError</u> ()
java.lang.String	<u>getPmsResponseText</u> ()
void	<u>setAccountId</u> (<u>HTAccountId</u> newAccountId)
void	<u>setComment</u> (java.lang.String newComment)

void	setDeviceType (<u>HTHotelDeviceType</u> newDeviceType)
void	setError (<u>HTPosPostError</u> newError)
void	setPmsResponseText (java.lang.String newPmsResponseText)

Methods inherited from class **com.hoteltools.messages.HTPmsMessage**

getJmsType, getTransactionId, setTransactionId

Methods inherited from class **com.hoteltools.messages.HTMessage**

getOriginSite, getSentTime, setOriginSite, setSentTime, setSentTime

Methods inherited from class **java.lang.Object**

, clone, equals, finalize, getClass, hashCode, notify, notifyAll, registerNatives, toString, wait, wait, wait

Field Detail

(A) accountId

private HTAccountId **accountId**
Guest account being charged (from HTRequestPosPost).

(B) deviceType

private HTHotelDeviceType **deviceType**
Type of hotel device that made the posting (from HTRequestPosPost).

(C) error

private HTPosPostError **error**
PMS error for the posting. Value is "HTPosPostError.None" if the posting was accepted by the PMS.

(D) pmsResponseText

private java.lang.String **pmsResponseText**
PMS response text to hotel device.

(E) comment

private java.lang.String **comment**

Comments.

Constructor Detail

(F) `HTPosPost`

```
public HTPosPost()
```

Method Detail

(G) `getAccountId`

```
public HTAccountId getAccountId()
```

Returns:

`com.hoteltools.messages.HTAccountId`

(H) `getComment`

```
public java.lang.String getComment()
```

Returns:

`java.lang.String`

(I) `getDeviceType`

```
public HTHotelDeviceType getDeviceType()
```

Returns:

`com.hoteltools.messages.HTHotelDeviceType`

(J) `getError`

```
public HTPosPostError getError()
```

Returns:

`com.hoteltools.messages.HTPosPostError`

(K) `getPmsResponseText`

```
public java.lang.String getPmsResponseText()
```

Returns:

`java.lang.String`

(L) `setAccountId`

```
public void setAccountId(HTAccountId newAccountId)
```

Parameters:

`newAccountId` - `com.hoteltools.messages.HTAccountId`

(M) `setComment`

0609

newComment - java.lang.String

newDeviceType - com.hoteltools.messages.HTHotelDeviceType

newError - com.hoteltools.messages.HTTPosPostError

newPmsResponseText - java.lang.String

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```

+-com.hoteltools.messages.HTPmsMessage
|
+-com.hoteltools.messages.HTPost

```

public final class **HTPost**
 extends HTPmsMessage

An HTPost is used to send a simple account posting. Usage: sent by the network transceiver to the PMS.

See Also:

Serialized Form

Field Summary	
private java.lang.String	<u>agentName</u> Agent who made the post.
private <u>HTCurrency</u>	<u>amount</u> Charge amount.
private java.lang.String	<u>description</u> Description of item.
private <u>HTHotelDeviceType</u>	<u>deviceType</u> Type of hotel device that made the posting.
private int	<u>duration</u> Duration of the event (in seconds).
private <u>HTFolioId</u>	<u>folioId</u> Guest account being charged.
private java.lang.String	<u>revenueCode</u> Revenue code.
private java.util.Date	<u>time</u> Time of this posting.

Fields inherited from class com.hoteltools.messages.HTPmsMessage
jmsType, transactionId

Fields inherited from class com.hoteltools.messages.HTMessage
originSite, sentTime

Constructor Summary
<u>HTPost</u> ()

Method Summary	
java.lang.String	<u>getAgentName</u> ()
HTCurrency	<u>getAmount</u> ()

(B) agentName

```
private java.lang.String agentName
    Agent who made the post.
```

(C) folioId

```
private HTFolioId folioId
    Guest account being charged.
```

(D) revenueCode

```
private java.lang.String revenueCode
    Revenue code.
```

(E) deviceType

```
private HTHotelDeviceType deviceType
    Type of hotel device that made the posting.
```

(F) amount

```
private HTCurrency amount
    Charge amount.
```

(G) duration

```
private int duration
    Duration of the event (in seconds).
```

(H) description

```
private java.lang.String description
    Description of item.
```

Constructor Detail

(I) HTPost

```
public HTPost()
```

Method Detail

(J) getAgentName

```
public java.lang.String getAgentName()
```

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Returns:
com.hoteltools.messages.HTCurrency

Returns:
`java.lang.String`

Returns:
com.hoteltools.messages.HTHotelDeviceType

Returns:
int

Returns:
com.hoteltools.messages.HTFolioId

Returns:
`java.lang.String`

Returns:
java.util.Date

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SECRET

newAgentName - java.lang.String

(S) setAmount

```
public void setAmount(HTCurrency newAmount)
```

Parameters:

newAmount - com.hoteltools.messages.HTCurrency

(T) setDescription

```
public void setDescription(java.lang.String newDescript
```

Parameters:

```
newDescription - java.lang.String
```

(U) setType

```
public void setDeviceType(HTHotelDeviceType newDeviceTy
```

Parameters:

```
newDeviceType - com.hoteltools.messages.HTHotelDeviceT
```

(V) `setDuration`

```
public void setDuration(int newDuration)
```

Parameters:

```
newDuration - int
```

(W) setFolioid

```
public void setFolioId(HTFolioId newFolioId)
```

Parameters:

newFolioId - com.hoteltools.messages.HTFolioId

(X) `setRevenueCode`

```
public void setRevenueCode(java.lang.String newRevenueC
```

Parameters:

newRevenueCode - java.lang.String

(Y) setTime

```
public void setTime(java.util.Date newTime)
```

Parameters:

```
newTime - java.util.Date
```

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com.hoteltools.messages

Class HTRequestCheckIn

```

java.lang.Object
|
+-com.hoteltools.messages.HTMessage
    |
    +-com.hoteltools.messages.HTPmsMessage
        |
        +-com.hoteltools.messages.HTRequestCheckIn
    
```

public final class **HTRequestCheckIn**
 extends [HTPmsMessage](#)

An HTRequestCheckIn is used to request the check in/out status of all rooms within a particular range of rooms. The PMS should respond with a HTCheckOut or a HTCheckIn for each room. Usage: sent by network transceiver to the PMS.

See Also:

[Serialized Form](#)

Field Summary	
private short	fromPhone The room phone extension of the first room in the range to query.
private short	toPhone The room phone extension of the last room in the range to query.

Fields inherited from class com.hoteltools.messages.HTPmsMessage	
jmsType,	transactionId

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Fields inherited from class com.hoteltools.messages.HTMessage
originSite, sentTime

Constructor Summary
HTRequestCheckIn()

Method Summary
short <u>getFromPhone</u> ()
short <u>getToPhone</u> ()
void <u>setFromPhone</u> (short newFromPhone)
void <u>setToPhone</u> (short newToPhone)

Methods inherited from class com.hoteltools.messages.HTPmsMessage
getJmsType, getTransactionId, setTransactionId

Methods inherited from class com.hoteltools.messages.HTMessage
getOriginSite, getSentTime, setOriginSite, setSentTime, setSentTime

Methods inherited from class java.lang.Object
, clone, equals, finalize, getClass, hashCode, notify, notifyAll, registerNatives, toString, wait, wait, wait

Field Detail

(A) fromPhone

private short fromPhone

The room phone extension of the first room in the range to query.

(B) toPhone

private short toPhone

The room phone extension of the last room in the range to query.

Constructor Detail

(C) HTRequestCheckIn

public HTRestCheckIn()

Method Detail

(D) getFromPhone

public short getFromPhone()

Returns:

short

(E) setFromPhone

public void setFromPhone(short newFromPhone)

Parameters:

newFromPhone - short

(F) getToPhone

public short getToPhone()

Returns:

short

(G) setToPhone

public void setToPhone(short newToPhone)

Parameters:

newToPhone - short

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Class HTRequestExpressCheckOut

```
java.lang.Object
|
+-com.hoteltools.messages.HTMessage
|
|   +-com.hoteltools.messages.HTPmsMessage
|   |
|   |   +-com.hoteltools.messages.HTRequestExpressCheckOut
```

public final class **HTRequestExpressCheckOut**
extends HTPmsMessage

An HTRequestExpressCheckOut is used to request an express guest checkout. The PMS should respond with both a HTErrorCheckOut and a HTCheckOut. Usage: sent by network transceiver to the PMS.

See Also:

Serialized Form

Field Summary	
private <u>HTCurrency</u>	<u>balance</u> The amount the guest has agreed to pay.
private <u>HTFolioId</u>	<u>folioId</u> The folio identifier.

Fields inherited from class com.hoteltools.messages.HTPmsMessage
jmsType, transactionId

Fields inherited from class com.hoteltools.messages.HTMessage
originSite, sentTime

Constructor Summary	
<u>HTRequestExpressCheckOut</u> ()	

Method Summary	
<u>HTCurrency</u>	<u>getBalance</u> ()
<u>HTFolioId</u>	<u>getFolioId</u> ()
void	<u>setBalance</u> (<u>HTCurrency</u> newBalance)
void	<u>setFolioId</u> (<u>HTFolioId</u> newFolioId)

Methods inherited from class com.hoteltools.messages.HTPmsMessage

getJmsType, getTransactionId, setTransactionId

Methods inherited from class com.hoteltools.messages.HTMessage

getOriginSite, getSentTime, setOriginSite, setSentTime, setSentTime

Methods inherited from class java.lang.Object

, clone, equals, finalize, getClass, hashCode, notify, notifyAll, registerNatives, toString, wait, wait, wait

Field Detail

(A) folioId

private HTFolioId folioId

The folio identifier.

(B) balance

private HTCurrency balance

The amount the guest has agreed to pay.

Constructor Detail

(C) HTRequestExpressCheckOut

public HTRequestExpressCheckOut()

Method Detail

(D) getBalance

public HTCurrency getBalance()

Returns:

com.hoteltools.messages.HTCurrency

(E) getFolioId

public HTFolioId getFolioId()

Returns:

com.hoteltools.messages.HTFolioId

(F) setBalance

public void **setBalance**([HTCurrency](#) newBalance)

Parameters:

newBalance - [com.hoteltools.messages.HTCurrency](#)

(G) [setFolioId](#)

public void **setFolioId**([HTFolioId](#) newFolioId)

Parameters:

newFolioId - [com.hoteltools.messages.HTFolioId](#)

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[Class HTRequestFolioHeaders](#)

java.lang.Object

|
+-[com.hoteltools.messages.HTMessage](#)
|
+-[com.hoteltools.messages.HTPmsMessage](#)
|
+-[com.hoteltools.messages.HTRequestFolioHeaders](#)

public final class **HTRequestFolioHeaders**
extends [HTPmsMessage](#)

An HTRequestFolioHeaders is used to request the guest folio headers. The PMS should respond with a HTFolioHeaderList. Usage: sent by the network transceiver to the PMS.

See Also:

[Serialized Form](#)

Field Summary

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jmsType, transactionId

```
originSite, sentTime
```

```
HTRequestFolioHeaders()
```

HTFolioId	getFolioId()
-----------	--------------

```
void setFolìoId(HTFolìoId newFolìoId)
```

```
getJmsType, getTransactionId, setTransactionId
```

```
getOriginSite, getSentTime, setOriginSite, setSentTime, setSentTime
```

```
, clone, equals, finalize, getClass, hashCode, notify, notifyAll,
registerNatives, toString, wait, wait, wait
```

(A) folioid

Constructor Detail

(B) HTRequestFolioHeaders

```
public HttpRequestFolioHeaders()
```

Method Detail

(C) `getFolioId`

```
public HTFolioId getFolioId()
```

Returns:

`com.hoteltools.messages.HTFolioId`

(D) `setFolioId`

```
public void setFolioId(HTFolioId newFolioId)
```

Parameters:

`newFolioId` - `com.hoteltools.messages.HTFolioId`

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`com.hoteltools.messages`

Class `HTRequestFolioRecords`

```
java.lang.Object
|
+-com.hoteltools.messages.HTMessage
|
|   +-com.hoteltools.messages.HTPmsMessage
|   |
|   |   +-com.hoteltools.messages.HTRequestFolioRecords
```

```
public final class HTRequestFolioRecords
extends HTPmsMessage
```

An `HTRequestFolioRecords` is used to request the guest folio records. The PMS should respond with a `HTFolioRecordList`. Usage: sent by the network transceiver to the PMS.

See Also:

Field Summary

private	<u>folioId</u>
HTFolioId	The folio identifier.

Fields inherited from class com.hoteltools.messages.HTPmsMessage

jmsType, transactionId

Fields inherited from class com.hoteltools.messages.HTMessage

originSite, sentTime

Constructor Summary

HTRequestFolioRecords()

Method Summary

HTFolioId	<u>getFolioId()</u>
void	<u>setFolioId</u> (HTFolioId newFolioId)

Methods inherited from class com.hoteltools.messages.HTPmsMessage

getJmsType, getTransactionId, setTransactionId

Methods inherited from class com.hoteltools.messages.HTMessage

getOriginSite, getSentTime, setOriginSite, setSentTime, setSentTime

Methods inherited from class java.lang.Object

, clone, equals, finalize, getClass, hashCode, notify, notifyAll, registerNatives, toString, wait, wait, wait

Field Detail

(A) folioId

```
private HTFolioId folioId
    The folio identifier.
```

Constructor Detail

(B) HTRequestFolioRecords

public [HTRequestFolioRecords\(\)](#)

Method Detail

(C) [getFolioId](#)

public [HTFolioId](#) [getFolioId\(\)](#)

Returns:

[com.hoteltools.messages.HTFolioId](#)

(D) [setFolioId](#)

public void [setFolioId](#)([HTFolioId](#) newFolioId)

Parameters:

newFolioId - [com.hoteltools.messages.HTFolioId](#)

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[com.hoteltools.messages](#)

[Class HTRequestKeyCardCreate](#)

```
java.lang.Object
|
+-com.hoteltools.messages.HTMessage
|
|   +-com.hoteltools.messages.HTPmsMessage
|   |
|   |   +-com.hoteltools.messages.HTRequestKeyCardCreate
```

```
public final class HTRequestKeyCardCreate
extends HTPmsMessage
```

An HTRequestKeyCardCreate is used to create a key card. The network transceiver will respond with a HTKeyCardCreate message. Please note that a HTRequestKeyLink must be issued prior to all HTRequestKeyCardCreate messages. Usage: sent by PMS to the network transceiver.

See Also:

Serialized Form

Field Summary	
private java.lang.String	<u>accountName</u> The account number (or name).
private java.lang.String[]	<u>additionalRooms</u> Additional rooms to allow this key card to access (3 max).
private short	<u>count</u> Number of keys to create.
private java.lang.String	<u>displayText</u> Text to display on the key card machine at the front desk.
private int	<u>encoder</u> Key card encoder to send to.
private java.lang.String	<u>guestFirstName</u> The first name of the guest.
private java.lang.String	<u>guestLastName</u> The last name of the guest.
private HTKeyCardType	<u>keyType</u> Key card type.
private java.lang.String	<u>operatorName</u> Operator who created this card.
private java.lang.String	<u>roomName</u> The room number (or name).
private HTRoomType	<u>roomType</u> Type of room.
private HTKeyCardSecurity	<u>security</u> Security attributes for the key card.
private HTGuestStay	<u>stay</u> Stay information for guest.
private int	<u>terminal</u> PMS terminal identifier.
private java.lang.String[]	<u>track</u> Extra information on the key card (2 max).
private boolean	<u>vip</u> Is this a VIP?

Fields inherited from class com.hoteltools.messages.HTPmsMessage
jmsType, transactionId

Fields inherited from class com.hoteltools.messages.HTMessage
originSite, sentTime

Constructor SummaryHTRequestKeyCardCreate()**Method Summary**

java.lang.String	<u>getAccountName()</u>
java.lang.String[]	<u>getAdditionalRooms()</u>
short	<u>getCount()</u>
java.lang.String	<u>getDisplayText()</u>
int	<u>getEncoder()</u>
java.lang.String	<u>getGuestFirstName()</u>
java.lang.String	<u>getGuestLastName()</u>
<u>HTKeyCardType</u>	<u>getKeyType()</u>
java.lang.String	<u>getOperatorName()</u>
java.lang.String	<u>getRoomName()</u>
<u>HTRoomType</u>	<u>getRoomType()</u>
<u>HTKeyCardSecurity</u>	<u>getSecurity()</u>
<u>HTGuestStay</u>	<u>getStay()</u>
int	<u>getTerminal()</u>
java.lang.String[]	<u>getTrack()</u>
boolean	<u>isVip()</u>
void	<u>setAccountName</u> (java.lang.String newAccountName)
void	<u>setAdditionalRooms</u> (java.lang.String[] newAdditionalRooms)
void	<u>setCount</u> (short newCount)
void	<u>setDisplayText</u> (java.lang.String newDisplayText)
void	<u>setEncoder</u> (int newEncoder)

void	<u>setGuestFirstName</u> (java.lang.String newGuestFirstName)
void	<u>setGuestLastName</u> (java.lang.String newGuestLastName)
void	<u>setKeyType</u> (HTKeyCardType newKeyType)
void	<u>setOperatorName</u> (java.lang.String newOperatorName)
void	<u>setRoomName</u> (java.lang.String newRoomName)
void	<u>setRoomType</u> (HTRoomType newRoomType)
void	<u>setSecurity</u> (HTKeyCardSecurity newSecurity)
void	<u>setStay</u> (HTGuestStay newStay)
void	<u>setTerminal</u> (int newTerminal)
void	<u>setTrack</u> (java.lang.String[] newTrack)
void	<u>setVip</u> (boolean newVip)

Methods inherited from class com.hoteltools.messages.HTPmsMessage

getJmsType, getTransactionId, setTransactionId

Methods inherited from class com.hoteltools.messages.HTMessage

getOriginSite, getSentTime, setOriginSite, setSentTime, setSentTime

Methods inherited from class java.lang.Object

, clone, equals, finalize, getClass, hashCode, notify, notifyAll, registerNatives, toString, wait, wait, wait

Field Detail

(A) encoder

private int encoder
Key card encoder to send to.

(B) terminal

private int terminal

[illegible]

```
private java.lang.String operatorName
    Operator who created this card.
```

private short count
Number of keys to create.

private HTKeyCardType keyType
Key card type.

```
private java.lang.String displayText
    Text to display on the key card machine at the front desk.
```

```
private HTKeyCardSecurity security
```

Security attributes for the key card. The key card defaults will be used for any fields that are null or empty.

```
private java.lang.String guestFirstName
    The first name of the guest.
```

```
private java.lang.String guestLastName
    The last name of the guest.
```

```
private java.lang.String accountName
    The account number (or name).
```

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private java.lang.String **roomName**
The room number (or name).

(L) stay

private HTGuestStay **stay**
Stay information for guest.

(M) roomType

private HTRoomType **roomType**
Type of room.

(N) vip

private boolean **vip**
Is this a VIP?

(O) additionalRooms

private java.lang.String[] **additionalRooms**
Additional rooms to allow this card to access (3 max).

(P) track

private java.lang.String[] **track**
Extra information on the key card (2 max).

Constructor Detail

(Q) **HTRequestKeyCardCreate**

public **HTRequestKeyCardCreate()**

Method Detail

(R) **getAdditionalRooms**

public java.lang.String[] **getAdditionalRooms()**

Returns:
java.lang.String[]

(S) **getCount**

public short **getCount()**

Returns:
short

(T) `getDisplayText`

`public java.lang.String getDisplayText()`
Returns:
`java.lang.String`

(U) `getEncoder`

`public int getEncoder()`
Returns:
`int`

(V) `getGuestFirstName`

`public java.lang.String getGuestFirstName()`
Returns:
`java.lang.String`

(W) `getGuestLastName`

`public java.lang.String getGuestLastName()`
Returns:
`java.lang.String`

(X) `getAccountName`

`public java.lang.String getAccountName()`
Returns:
`java.lang.String`

(Y) `getRoomName`

`public java.lang.String getRoomName()`
Returns:
`java.lang.String`

(Z) `getKeyType`

`public HTKeyCardType getKeyType()`
Returns:
`com.hoteltools.messages.HTKeyCardType`

(AA) `getOperatorName`

public java.lang.String getOperatorName()

Returns:

java.lang.String

(BB) getRoomType

public HTRoomType getRoomType()

Returns:

com.hoteltools.messages.HTRoomType

(CC) getSecurity

public HTKeyCardSecurity getSecurity()

Returns:

com.hoteltools.messages.HTKeyCardSecurity

(DD) getStay

public HTGuestStay getStay()

Returns:

com.hoteltools.messages.HTGuestStay

(EE) getTerminal

public int getTerminal()

Returns:

int

(FF) getTrack

public java.lang.String[] getTrack()

Returns:

java.lang.String[]

(GG) isVip

public boolean isVip()

Returns:

boolean

(HH) setAdditionalRooms

public void setAdditionalRooms(java.lang.String[] newAdditionalRooms)

Parameters:

newAdditionalRooms - java.lang.String[]

(II) `setCount`

```
public void setCount(short newCount)
```

Parameters:

`newCount` - short

(JJ) `setDisplayText`

```
public void setDisplayText(java.lang.String newDisplayText)
```

Parameters:

`newDisplayText` - java.lang.String

(KK) `setEncoder`

```
public void setEncoder(int newEncoder)
```

Parameters:

`newEncoder` - int

(LL) `setGuestFirstName`

```
public void setGuestFirstName(java.lang.String newGuestFirstName)
```

Parameters:

`newGuestFirstName` - java.lang.String

(MM) `setGuestLastName`

```
public void setGuestLastName(java.lang.String newGuestLastName)
```

Parameters:

`newGuestLastName` - java.lang.String

(NN) `setAccountName`

```
public void setAccountName(java.lang.String newAccountName)
```

Parameters:

`newAccountName` - java.lang.String

(OO) `setRoomName`

```
public void setRoomName(java.lang.String newRoomName)
```

Parameters:

`newRoomName` - java.lang.String

(PP) `setKeyType`

```
public void setKeyType(HTKeyCardType newKeyType)
```

Parameters:
newKeyType - com.hoteltools.messages.HTKeyCardType

```
public void setOperatorName(java.lang.String newOperatorName)
```

newOperatorName - java.lang.String

```
public void setRoomType(HTRoomType newRoomType)
```

```
newRoomType - com.hoteltools.messages.HTRoomType
```

```
public void setSecurity(HTKeyCardSecurity newSecurity)
```

```
newSecurity - com.hoteltools.messages.HTKeyCardSecurity
```

```
public void setStay(HTGuestStay newStay)
```

newStay - com.hoteltools.messages.HTGuestStay

```
public void setTerminal(int newTerminal)
```

```
newTerminal - int
```

```
public void setTrack(java.lang.String[] newTrack)
```

```
newTrack - java.lang.String[]
```

```
public void setVip(boolean newVip)
```

newVip - boolean

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com.hoteltools.messages

Class HTRequestKeyLink

```
java.lang.Object
|
+-com.hoteltools.messages.HTMessage
|
|   +-com.hoteltools.messages.HTPmsMessage
|   |
|   |   +-com.hoteltools.messages.HTRequestKeyLink
```

public final class **HTRequestKeyLink**
extends [HTPmsMessage](#)

An HTRequestKeyLink is used to initialize the key link system. Usage: sent by PMS to the network transceiver. A HTKeyLink will be sent in response.

See Also:

[Serialized Form](#)

Field Summary	
<div>private</div> <div>HTKeyCardSecurity</div>	<div>security</div> <div>Default security data for the key card system.</div>

Fields inherited from class com.hoteltools.messages. HTPmsMessage
jmsType , transactionId

Fields inherited from class com.hoteltools.messages. HTMessage
originSite , sentTime

Constructor Summary

[HTRequestKeyLink\(\)](#)

Method Summary

[HTKeyCardSecurity](#) [getSecurity\(\)](#)

void [setSecurity](#)([HTKeyCardSecurity](#) newSecurity)

Methods inherited from class [com.hoteltools.messages.HTPmsMessage](#)

[getJmsType](#), [getTransactionId](#), [setTransactionId](#)

Methods inherited from class [com.hoteltools.messages.HTMessage](#)

[getOriginSite](#), [getSentTime](#), [setOriginSite](#), [setSentTime](#), [setSentTime](#)

Methods inherited from class [java.lang.Object](#)

[clone](#), [equals](#), [finalize](#), [getClass](#), [hashCode](#), [notify](#), [notifyAll](#), [registerNatives](#), [toString](#), [wait](#), [wait](#), [wait](#)

Field Detail

(A) [security](#)

private [HTKeyCardSecurity](#) [security](#)

Default security data for the key card system. These values are used if they are not specified in the [HTKeyCardCreate](#).

Constructor Detail

(B) [HTRequestKeyLink](#)

public [HTRequestKeyLink](#)()

Method Detail

(C) [getSecurity](#)

public [HTKeyCardSecurity](#) [getSecurity](#)()

Returns:

[com.hoteltools.messages.HTKeyCardSecurity](#)

(D) [setSecurity](#)

public void **setSecurity**([HTKeyCardSecurity](#) newSecurity)
Parameters:
newSecurity - com.hoteltools.messages.HTKeyCardSecurity

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com.hoteltools.messages

Class HTRequestPosPost

```
java.lang.Object
|
+-com.hoteltools.messages.HTMessage
|
+-com.hoteltools.messages.HTPmsMessage
|
+-com.hoteltools.messages.HTRequestPosPost
```

public final class **HTRequestPosPost**
extends [HTPmsMessage](#)

An HTRequestPosPost is used to send a Point of Sale posting. This type of posting requires an authorization response (see HTPosPost). Usage: sent by the network transceiver to the PMS.

See Also:

Field Summary	
private <u>HTAccountId</u>	<u>accountId</u> Guest account being charged.
private java.lang.String	<u>agentName</u> Agent who made the post.
private <u>HTPosCharge</u>	<u>charge</u> The total charge.
private <u>HTPosCheck</u>	<u>check</u> The guest check.
private <u>HTHotelDeviceType</u>	<u>deviceType</u> Type of hotel device that made the posting.
private int	<u>duration</u> Duration of the event (in seconds).
private <u>HTPosLineItem[]</u>	<u>lineItems</u> Individual line-item charges.
private <u>HTPosTerminalId</u>	<u>posId</u> POS terminal the charge was from.
private java.lang.String	<u>tenderName</u> Tender key name (or number).
private java.util.Date	<u>time</u> Time of this transaction.
private java.lang.String	<u>transactionName</u> Transaction id (or name).

Fields inherited from class com.hoteltools.messages.HTPmsMessage

jmsType, transactionId

Fields inherited from class com.hoteltools.messages.HTMessage

originSite, sentTime

Constructor Summary

HTRequestPosPost()

Method Summary

<u>HTAccountId</u>	<u>getAccountId()</u>
java.lang.String	<u>getAgentName()</u>
<u>HTPosCharge</u>	<u>getCharge()</u>
<u>HTPosCheck</u>	<u>getCheck()</u>

HTHotelDeviceType	<u>getDeviceType</u> ()
int	<u>getDuration</u> ()
HTPosLineItem[]	<u>getLineItems</u> ()
HTPosTerminalId	<u>getPosId</u> ()
java.lang.String	<u>getTenderName</u> ()
java.util.Date	<u>getTime</u> ()
java.lang.String	<u>getTransactionName</u> ()
void	<u>setAccountId</u> (HTAccountId newAccountId)
void	<u>setAgentName</u> (java.lang.String newAgentName)
void	<u>setCharge</u> (HTPosCharge newCharge)
void	<u>setCheck</u> (HTPosCheck newCheck)
void	<u>setDeviceType</u> (HTHotelDeviceType newDeviceType)
void	<u>setDuration</u> (int newDuration)
void	<u>setLineItems</u> (HTPosLineItem[] newLineItems)
void	<u>setPosId</u> (HTPosTerminalId newPosId)
void	<u>setTenderName</u> (java.lang.String newTenderName)
void	<u>setTime</u> (java.util.Date newTime)
void	<u>setTransactionName</u> (java.lang.String newTransactionName)

Methods inherited from class com.hoteltools.messages.HTPmsMessage

getJmsType, getTransactionId, setTransactionId

Methods inherited from class com.hoteltools.messages.HTMessage

getOriginSite, getSentTime, setOriginSite, setSentTime, setSentTime

Methods inherited from class java.lang.Object

[illegible]

(J) duration

(K) lineItems

Constructor Detail	
--------------------	--

```
public HttpRequestPosPost()
```

(M) `getAccountId`

(N) `getAgentName`

(0) getCharge

(P) `getCheck`

(Q) `getDeviceType`

public HTHotelDeviceType **getDeviceType**()
Returns:
com.hoteltools.messages.HTHotelDeviceType

(R) **getDuration**

public int **getDuration**()
Returns:
int

(S) **getLineItems**

public HTPosLineItem[] **getLineItems**()
Returns:
com.hoteltools.messages.HTPosLineItem[]

(T) **getPosId**

public HTPosTerminalId **getPosId**()
Returns:
com.hoteltools.messages.HTPosTerminalId

(U) **getTenderName**

public java.lang.String **getTenderName**()
Returns:
java.lang.String

(V) **getTime**

public java.util.Date **getTime**()
Returns:
java.util.Date

(W) **getTransactionName**

public java.lang.String **getTransactionName**()
Returns:
java.lang.String

(X) **setAccountId**

public void **setAccountId**(HTAccountId newAccountId)
Parameters:
newAccountId - com.hoteltools.messages.HTAccountId

SECRET

```
public void setAgentName(java.lang.String newAgentName)
```

Parameters:
newAgentName - java.lang.String

(Z) setCharge

```
public void setCharge(HTPosCharge newCharge)
```

Parameters:
newCharge - com.hoteltools.messages.HTPosCharge

(AA) setCheck

```
public void setCheck(HTPosCheck newCheck)
```

Parameters:
newCheck - com.hoteltools.messages.HTPosCheck

(BB) setDeviceType

```
public void setDeviceType(HTHHotelDeviceType newDeviceType)
```

Parameters:
newDeviceType - com.hoteltools.messages.HTHHotelDeviceType

(CC)setDuration

```
public void setDuration(int newDuration)
```

Parameters:
newDuration - int

(DD) `setLineItems`

```
public void setLineItems(HTPosLineItem[] newLineItems)
```

Parameters:
newLineItems - com.hoteltools.messages.HTPosLineItem[]

(E_E) setPosId

```
public void setPosId(HTPosTerminalId newPosId)
```

Parameters:
newPosId - com.hoteltools.messages.HTPosTerminalId

(FF) `setTenderName`

public void **setTenderName**(java.lang.String newTenderName)

Parameters:

newTenderName - java.lang.String

(GG) setTime

public void **setTime**(java.util.Date newTime)

Parameters:

newTime - java.util.Date

(HH) setTransactionName

public void **setTransactionName**(java.lang.String newTransactionName)

Parameters:

newTransactionName - java.lang.String

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com.hoteltools.messages

Class HTRestRoomList

java.lang.Object

```
|
+-com.hoteltools.messages.HTMessage
|
+-com.hoteltools.messages.HTPmsMessage
|
+-com.hoteltools.messages.HTRestRoomList
```

public final class **HTRestRoomList**

extends [HTPmsMessage](#)

Requests the list of all rooms from the PMS. Usage: sent by network transceiver to the PMS.

See Also:

[Serialized Form](#)

Fields inherited from class com.hoteltools.messages.HTPmsMessage

jmsType, transactionId

Fields inherited from class com.hoteltools.messages.HTMessage

originSite, sentTime

Constructor Summary

[HTRequestRoomList\(\)](#)

Methods inherited from class com.hoteltools.messages.HTPmsMessage

getJmsType, getTransactionId, setTransactionId

Methods inherited from class com.hoteltools.messages.HTMessage

getOriginSite, getSentTime, setOriginSite, setSentTime, setSentTime

Methods inherited from class java.lang.Object

, clone, equals, finalize, getClass, hashCode, notify, notifyAll, registerNatives, toString, wait, wait, wait

Constructor Detail

(A) [HTRequestRoomList](#)

```
public HTRequestRoomList()
```

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Class HTRequestRoomMsgCounts

```

java.lang.Object
|
+-com.hoteltools.messages.HTMessage
    |
    +-com.hoteltools.messages.HTPmsMessage
        |
        +-com.hoteltools.messages.HTRequestRoomMsgCounts

```

public final class **HTRequestRoomMsgCounts**

```
extends HTTPmsMessage
```

An HTRequestRoomMsgCounts is used by PMS to get the room message counts. Usage: sent by PMS to the network transceiver.

See Also:

Serialized Form

Field Summary	
private <u>HTFolioId</u>	<u>folioId</u> Folio to retrieve counts for.
private <u>HTRoomMsgType</u>	<u>roomMsgType</u> Message type to retrieve.

Fields inherited from class `com.hoteltools.messages.HTPmsMessage`

`imsType`, `transactionId`

Fields inherited from class `com.hoteltools.messages.HTMessage`
`originSite`, `sentTime`

Constructor Summary	
<u>HTRequestRoomMsgCounts</u> ()	

Method Summary	
<u>HTFolioId</u>	<u>getFolioId()</u>
<u>HTRoomMsgType</u>	<u>getRoomMsgType()</u>
void	<u>setFolioId</u> (<u>HTFolioId</u> newFolioId)
void	<u>setRoomMsgType</u> (<u>HTRoomMsgType</u> newRoomMsgType)

```
getJmsType, getTransactionId, setTransactionId
```

```
getOriginSite, getSentTime, setOriginSite, setSentTime, setSentTime
```

```
, clone, equals, finalize, getClass, hashCode, notify, notifyAll,
registerNatives, toString, wait, wait, wait
```

(A) folioId

(B) roomMsgType

Constructor Detail

```
c HTRequestRoomMsgCounts ( )
```

(D) getFolioId

(E) setFolioId

(F) `getRoomMsgType`

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Returns:
com.hoteltools.messages.HTRoomMsgType

(G) [setRoomMsgType](#)

public void [setRoomMsgType](#)([HTRoomMsgType](#) newRoomMsgType)

Parameters:

newRoomMsgType - com.hoteltools.messages.HTRoomMsgType

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com.hoteltools.messages

Class HTRequestRoomMsgs

```
java.lang.Object
|
+-com.hoteltools.messages.HTMessage
|
+-com.hoteltools.messages.HTPmsMessage
|
+-com.hoteltools.messages.HTRequestRoomMsgs
```

public final class **HTRequestRoomMsgs**
extends [HTPmsMessage](#)

An HTRequestRoomMsgs is used by the network transceiver to retrieve a guest message. The PMS should respond with a HTRoomMsgList. Usage: sent by network transceiver to the PMS.

See Also:

[Serialized Form](#)

Field Summary	
private java.lang.String	<u>accountName</u> The account number (or name) charged for the message.
private short	<u>id</u> Message to retrieve.
private java.lang.String	<u>roomName</u> The room number (or name).

Fields inherited from class com.hoteltools.messages.HTPmsMessage
jmsType, transactionId

Fields inherited from class com.hoteltools.messages.HTMessage
originSite, sentTime

Constructor Summary
<u>HTRequestRoomMsgs()</u>

Method Summary	
java.lang.String	<u>getAccountName</u> ()
short	<u>getId</u> ()
java.lang.String	<u>getRoomName</u> ()
void	<u>setAccountName</u> (java.lang.String newAccountName)
void	<u>setId</u> (short newId)
void	<u>setRoomName</u> (java.lang.String newRoomName)

Methods inherited from class com.hoteltools.messages.HTPmsMessage
getJmsType, getTransactionId, setTransactionId

Methods inherited from class com.hoteltools.messages.HTMessage
getOriginSite, getSentTime, setOriginSite, setSentTime, setSentTime

Methods inherited from class java.lang.Object
, clone, equals, finalize, getClass, hashCode, notify, notifyAll, registerNatives, toString, wait, wait, wait

Field Detail

(A) roomName

```
private java.lang.String roomName
    The room number (or name).
```

(B) accountName

```
private java.lang.String accountName
    The account number (or name) charged for the message.
```

(C) id

private short id	Message to retrieve. If this field is -1, then all messages for the specified room should be returned by the PMS.
------------------	---

Constructor Detail

(D) HTRequestRoomMsgs

```
public HTRequestRoomMsgs()
```

Method Detail

(E) `getAccountName`

```
public java.lang.String getAccountName()  
    Returns:  
    java.lang.String
```

(F) getId

```
public short getId()
    Returns:
    short
```

(G) `getRoomName`

```
public java.lang.String getRoomName()
Returns:
java.lang.String
```

(H) `setAccountName`

```
public void setAccountName(java.lang.String newAccountName)
```

[illegible]

Parameters:

newAccountName - java.lang.String

(I) setId

public void setId(short newId)

Parameters:

newId - short

(J) setRoomName

public void setRoomName(java.lang.String newRoomName)

Parameters:

newRoomName - java.lang.String

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com.hoteltools.messages**Class HTRequestRoomStatus**

java.lang.Object

```

|
+-com.hoteltools.messages.HTMessage
|
+-com.hoteltools.messages.HTPmsMessage
|
+-com.hoteltools.messages.HTRequestRoomStatus

```

```

public final class HTRequestRoomStatus
extends HTPmsMessage

```

An `HTRequestRoomStatus` is used to request the status of the room. Usage: sent by both the network transceiver and the PMS.

See Also:

Serialized Form

Field Summary

private	<code>roomId</code>
<code>HTRoomId</code>	The room identifier.

Fields inherited from class `com.hoteltools.messages.HTPmsMessage`

`msgType`, `transactionId`

Fields inherited from class `com.hoteltools.messages.HTMessage`

`originSite`, `sentTime`

Constructor Summary

`HTRequestRoomStatus()`

Method Summary

<code>HTRoomId</code>	<code>getRoomId()</code>
<code>void</code>	<code>setRoomId(HTRoomId newRoomId)</code>

Methods inherited from class `com.hoteltools.messages.HTPmsMessage`

`getMsgType`, `getTransactionId`, `setTransactionId`

Methods inherited from class `com.hoteltools.messages.HTMessage`

`getOriginSite`, `getSentTime`, `setOriginSite`, `setSentTime`, `setSentTime`

Methods inherited from class `java.lang.Object`

`clone`, `equals`, `finalize`, `getClass`, `hashCode`, `notify`, `notifyAll`, `registerNatives`, `toString`, `wait`, `wait`, `wait`

Field Detail

(A) `roomId`

private `HTRoomId` `roomId`

The room identifier.

Constructor Detail

(B) `HTRequestRoomStatus`

```
public HTRequestRoomStatus()
```

Method Detail

(C) `getRoomId`

```
public HTRoomId getRoomId()
```

Returns:

`com.hoteltools.messages.HTRoomId`

(D) `setRoomId`

```
public void setRoomId(HTRoomId newRoomId)
```

Parameters:

`newRoomId` - `com.hoteltools.messages.HTRoomId`

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[com.hoteltools.messages](#)

Class HTRestoreVoiceMail

```
java.lang.Object
```

```
 |  
+-com.hoteltools.messages.HTMessage  
   |  
   +-com.hoteltools.messages.HTPmsMessage  
      |  
      +-com.hoteltools.messages.HTRestoreVoiceMail
```


[illegible]

Constructor Detail

```
public HTRestoreVoiceMail()
```

(C) getPhone

Returns:
short

Parameters:
newPhone - short

PREV CLASS NEXT CLASS
SUMMARY: INNER | FIELD | CONSTR | METHOD

FRAMES NO FRAMES
DETAIL: FIELD | CONSTR | METHOD

PREV CLASS NEXT CLASS
SUMMARY: INNER | FIELD | CONSTR | METHOD

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```
java.lang.Object
|
+--com.hoteltools.messages.HTMessage
```

```

|
+-com.hoteltools.messages.HTPmsMessage
|
+-com.hoteltools.messages.HTRestrictPhone

```

public final class **HTRestrictPhone**
 extends HTPmsMessage

An HTRestrictPhone is the message used to set the phone restrictions. Usage: sent by PMS to the network transceiver.

See Also:

Serialized Form

Field Summary	
private <u>HTCurrency</u>	<u>creditLimit</u> Credit limit for phone.
private short	<u>phone</u> The room phone extension.
private <u>HTPhoneAuthType</u>	<u>phoneAuthType</u> Phone call authorization.

Fields inherited from class com.hoteltools.messages.HTPmsMessage
<u>msgType</u> , <u>transactionId</u>

Fields inherited from class com.hoteltools.messages.HTMessage
<u>originSite</u> , <u>sentTime</u>

Constructor Summary
<u>HTRestrictPhone</u> () Default constructor
<u>HTRestrictPhone</u> (short phone) Initializing constructor

Method Summary	
<u>HTCurrency</u>	<u>getCreditLimit</u> ()
short	<u>getPhone</u> ()
<u>HTPhoneAuthType</u>	<u>getPhoneAuthType</u> ()
void	<u>setCreditLimit</u> (<u>HTCurrency</u> newCreditLimit)
void	<u>setPhone</u> (short newPhone)
void	<u>setPhoneAuthType</u> (<u>HTPhoneAuthType</u> newPhoneAuthType)

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Methods inherited from class com.hoteltools.messages.HTPmsMessage

getJmsType, getTransactionId, setTransactionId

Methods inherited from class com.hoteltools.messages.HTMessage

getOriginSite, getSentTime, setOriginSite, setSentTime, setSentTime

Methods inherited from class java.lang.Object

, clone, equals, finalize, getClass, hashCode, notify, notifyAll, registerNatives, toString, wait, wait, wait

Field Detail

(A) phone

private short phone
The room phone extension.

(B) phoneAuthType

private HTPhoneAuthType phoneAuthType
Phone call authorization.

(C) creditLimit

private HTCurrency creditLimit
Credit limit for phone.

Constructor Detail

(D) HTRestrictPhone

public HTRestrictPhone()
Default constructor

(E) HTRestrictPhone

public HTRestrictPhone(short phone)
Initializing constructor

Method Detail

(F) getCreditLimit

public [HTCurrency](#) **getCreditLimit**()
Returns:
com.hoteltools.messages.HTCurrency

(G) **getPhoneAuthType**

public [HTPhoneAuthType](#) **getPhoneAuthType**()
Returns:
com.hoteltools.messages.HTPhoneAuthType

(H) **getPhone**

public short **getPhone**()
Returns:
short

(I) **setCreditLimit**

public void **setCreditLimit**([HTCurrency](#) newCreditLimit)
Parameters:
newCreditLimit - com.hoteltools.messages.HTCurrency

(J) **setPhoneAuthType**

public void **setPhoneAuthType**([HTPhoneAuthType](#) newPhoneAuthType)
Parameters:
newPhoneAuthType - short

(K) **setPhone**

public void **setPhone**(short newPhone)
Parameters:
newPhone - short

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com.hoteltools.messages

Class HTRoomList

```

java.lang.Object
|
+-com.hoteltools.messages.HTMessage
|
+-com.hoteltools.messages.HTPmsMessage
|
+-com.hoteltools.messages.HTRoomList
  
```

public final class **HTRoomList**
 extends [HTPmsMessage](#)

An HTRoomList contains a list of rooms for the property. It is used to initialize the hotel devices. Usage: sent by PMS to the network transceiver in response to a HTRequestRoomList.

See Also:

[Serialized Form](#)

Field Summary

private	rooms	Room numbers (or names) of all rooms in the property.
java.lang.String[]		

Fields inherited from class com.hoteltools.messages.HTPmsMessage

jmsType, transactionId

Fields inherited from class com.hoteltools.messages.HTMessage

originSite, sentTime

Constructor Summary

HTRoomList()	Default constructor
HTRoomList(java.lang.String[] rooms)	Initializing constructor

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Method Summary	
java.lang.String[]	getRooms ()
void	setRooms (java.lang.String[] newRooms)

Methods inherited from class com.hoteltools.messages.HTPmsMessage
getJmsType, getTransactionId, setTransactionId

Methods inherited from class com.hoteltools.messages.HTMessage
getOriginSite, getSentTime, setOriginSite, setSentTime, setSentTime

Methods inherited from class java.lang.Object
, clone, equals, finalize, getClass, hashCode, notify, notifyAll, registerNatives, toString, wait, wait, wait

Field Detail

(A) rooms

```
private java.lang.String[] rooms
```

Room numbers (or names) of all rooms in the property.

Constructor Detail

(B) HTRoomList

```
public HTRoomList()
    Default constructor
```

(C) HTRoomList

```
public HTRoomList(java.lang.String[] rooms)
    Initializing constructor
Parameters:
    rooms - java.lang.String[]
```

Method Detail

(D) getRooms

```
public java.lang.String[] getRooms()
Returns:
    java.lang.String[]
```

(E) setRooms

public void **setRooms**(java.lang.String[] newRooms)

Parameters:

newRooms - java.lang.String[]

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com.hoteltools.messages

Class HTRoomMsgCounts

```
java.lang.Object
|
+-com.hoteltools.messages.HTMessage
|
+-com.hoteltools.messages.HTPmsMessage
|
+-com.hoteltools.messages.HTRoomMsgCounts
```

public final class **HTRoomMsgCounts**
extends [HTPmsMessage](#)

An HTRoomMsgCounts contains all of the waiting message counts for a guest. Usage: sent by network transceiver in response to HTRequestRoomMsgCounts. It is also sent by PMS to the network transceiver when the room message counts change.

See Also:
[Serialized Form](#)

Field Summary	
private HTFolioId	folioId The folio identifier.
private int	read Read messages.
private	roomMsgType

HTRoomMsgType	Type of messages.
private int	<u>unread</u> Unread messages.
private int	<u>urgent</u> Urgent messages.

Fields inherited from class `com.hoteltools.messages.HTPmsMessage`

```
jmsType, transactionId
```

Fields inherited from class `com.hoteltools.messages.HTMessage`

```
originSite, sentTime
```

Constructor Summary

HTRoomMsgCounts()

Method Summary

<u>HTFolioId</u>	<u>getFolioId</u> ()
int	<u>getRead</u> ()
<u>HTRoomMsgType</u>	<u>getRoomMsgType</u> ()
int	<u>getUnread</u> ()
int	<u>getUrgent</u> ()
void	<u>setFolioId</u> (<u>HTFolioId</u> newFolioId)
void	<u>setRead</u> (int newRead)
void	<u>setRoomMsgType</u> (<u>HTRoomMsgType</u> newRoomMsgType)
void	<u>setUnread</u> (int newUnread)
void	<u>setUrgent</u> (int newUrgent)

Methods inherited from class `com.hoteltools.messages.HTPmsMessage`

```
getJmsType, getTransactionId, setTransactionId
```

Methods inherited from class `com.hoteltools.messages.HTMessage`

SECRET

com.hoteltools.messages.HTRoomMsgType

int

int

int

```
newFolioId - com.hoteltools.messages.HTFolioId
```

newRoomMsgType - com.hoteltools.messages.HTRoomMsgType

```
newRead - int
```

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Parameters:
newUnread - int

(P) [setUrgent](#)

public void **setUrgent**(int newUrgent)

Parameters:
newUrgent - int

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[com.hoteltools.messages](#)

[Class HTRoomMsgList](#)

```
java.lang.Object
|
+-com.hoteltools.messages.HTMessage
|
+-com.hoteltools.messages.HTPmsMessage
|
+-com.hoteltools.messages.HTRoomMsgList
```

public final class **HTRoomMsgList**
extends [HTPmsMessage](#)

An HTRoomMsgList is a list of the room messages. Usage: sent by PMS to the network transceiver in response to a HTRequestRoomMsg.

See Also:

[Serialized Form](#)

Field Summary	
---------------	--

private	msgs
---------	----------------------

HTRoom:Msg[] Room messages.

Fields inherited from class `com.hoteltools.messages.HTPmsMessage`

jmsType, transactionId

Fields inherited from class `com.hoteltools.messages.HTMessage`

```
originSite, sentTime
```

Constructor Summary

```
HTRoomMsgList()
```

Method Summary

HTRoomMsg[]	getMsgs()
-------------	-----------

```
void setMsgs (HTRoomMsg[] newMsgs)
```

Methods inherited from class `com.hoteltools.messages.HTPmsMessage`

```
getJmsType, getTransactionId, setTransactionId
```

Methods inherited from class `com.hoteltools.messages.HTMessage`

```
getOriginSite, getSentTime, setOriginSite, setSentTime, setSentTime
```

Methods inherited from class `java.lang.Object`

```
, clone, equals, finalize, getClass, hashCode, notify, notifyAll,
registerNatives, toString, wait, wait, wait
```

Field Detail

(A) msgs

```
private HTRoomMsg[] msgs
    Room messages.
```

Constructor Detail

(B) HTRoomMsgList

```
public HTRoomMsgList()
```

Method Detail

THE UNIVERSITY OF CHICAGO

(C) `getMsgs`

```
public HTRoomMsg[] getMsgs()
```

Returns:

`com.hoteltools.messages.HTRoomMsg`[]

(D) `setMsgs`

```
public void setMsgs(HTRoomMsg[] newMsgs)
```

Parameters:

`newMsgs` - `com.hoteltools.messages.HTRoomMsg`[]

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`com.hoteltools.messages`

Class `HTRoomMsgList`

```
java.lang.Object
```

```
  |  
  +- com.hoteltools.messages.HTMessage  
    |  
    +- com.hoteltools.messages.HTPmsMessage  
      |  
      +- com.hoteltools.messages.HTRoomMsgList
```

```
public final class HTRoomMsgList
```

```
extends HTPmsMessage
```

An `HTRoomMsgList` is a list of the room messages. Usage: sent by PMS to the network transceiver in response to a `HTRequestRoomMsg`.

See Also:

[Serialized Form](#)

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Field Summary	
<code>private</code>	<code>msgs</code>
<code>HTRoomMsg[]</code>	Room messages.

Fields inherited from class <code>com.hoteltools.messages.HTPmsMessage</code>
<code>jmsType</code> , <code>transactionId</code>

Fields inherited from class <code>com.hoteltools.messages.HTMessage</code>
<code>originSite</code> , <code>sentTime</code>

Constructor Summary	
<code>HTRoomMsgList()</code>	

Method Summary	
<code>HTRoomMsg[]</code>	<code>getMsgs()</code>
<code>void</code>	<code>setMsgs(HTRoomMsg[] newMsgs)</code>

Methods inherited from class <code>com.hoteltools.messages.HTPmsMessage</code>
<code>getJmsType</code> , <code>getTransactionId</code> , <code>setTransactionId</code>

Methods inherited from class <code>com.hoteltools.messages.HTMessage</code>
<code>getOriginSite</code> , <code>getSentTime</code> , <code>setOriginSite</code> , <code>setSentTime</code> , <code>setSentTime</code>

Methods inherited from class <code>java.lang.Object</code>
<code>, clone, equals, finalize, getClass, hashCode, notify, notifyAll, registerNatives, toString, wait, wait, wait</code>

Field Detail

(A) `msgs`

`private` `HTRoomMsg[]` `msgs`
Room messages.

Constructor Detail

(B) `HTRoomMsgList`

public HTRoomMsgList()

Method Detail

(C) getMsgs

public HTRoomMsg[] getMsgs()

Returns:

com.hoteltools.messages.HTRoomMsg[]

(D) setMsgs

public void setMsgs(HTRoomMsg[] newMsgs)

Parameters:

newMsgs - com.hoteltools.messages.HTRoomMsg[]

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com.hoteltools.messages

Class HTRoomMsgStatus

java.lang.Object

|
+-com.hoteltools.messages.HTMessage

|
+-com.hoteltools.messages.HTPmsMessage

|
+-com.hoteltools.messages.HTRoomMsgStatus

public final class **HTRoomMsgStatus**
extends HTPmsMessage

An HTRoomMsgStatus updates the status of room messages. Usage: sent by network transceiver to the PMS.

See Also:

Serialized Form

Field Summary	
private java.lang.String	<u>accountName</u> The account number (or name).
private boolean	<u>deleted</u> PMS should delete the room message.
private short	<u>id</u> Message identifier (unique for the room).
private boolean	<u>read</u> PMS should mark the message as "read".
private java.util.Date	<u>time</u> Date/time message was read or marked for deletion.

Fields inherited from class com.hoteltools.messages.HTPmsMessage
jmsType, transactionId

Fields inherited from class com.hoteltools.messages.HTMessage
originSite, sentTime

Constructor Summary
<u>HTRoomMsgStatus</u> ()

Method Summary	
java.lang.String	<u>getAccountName</u> ()
short	<u>getId</u> ()
java.util.Date	<u>getTime</u> ()
boolean	<u>isDeleted</u> ()
boolean	<u>isRead</u> ()
void	<u>setAccountName</u> (java.lang.String newAccountName)
void	<u>setDeleted</u> (boolean newDeleted)
void	<u>setId</u> (short newId)

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void	<u>setRead</u> (boolean newRead)
void	<u>setTime</u> (java.util.Date newTime)

Methods inherited from class com.hoteltools.messages.HTPmsMessage

getJmsType, getTransactionId, setTransactionId

Methods inherited from class com.hoteltools.messages.HTMessage

getOriginSite, getSentTime, setOriginSite, setSentTime, setSentTime

Methods inherited from class java.lang.Object

, clone, equals, finalize, getClass, hashCode, notify, notifyAll, registerNatives, toString, wait, wait, wait

Field Detail

(A) accountName

private java.lang.String **accountName**
The account number (or name).

(B) id

private short **id**
Message identifier (unique for the room).

(C) time

private java.util.Date **time**
Date/time message was read or marked for deletion.

(D) read

private boolean **read**
PMS should mark the message as "read".

(E) deleted

private boolean **deleted**
PMS should delete the room message.

Constructor Detail

(F) HTRoomMsgStatus

public HTRoomMsgStatus()

Method Detail

(G) getAccountName

public java.lang.String getAccountName()

Returns:

java.lang.String

(H) getId

public short getId()

Returns:

short

(I) getTime

public java.util.Date getTime()

Returns:

java.util.Date

(J) isDeleted

public boolean isDeleted()

Returns:

boolean

(K) isRead

public boolean isRead()

Returns:

boolean

(L) setAccountName

public void setAccountName(java.lang.String newAccountName)

Parameters:

newAccountName - java.lang.String

(M) setDeleted

public void setDeleted(boolean newDeleted)

Parameters:

newDeleted - boolean

(N) setId

```
public void setId(short newId)
```

Parameters:

newId - short

(O) setRead

```
public void setRead(boolean newRead)
```

Parameters:

newRead - boolean

(P) setTime

```
public void setTime(java.util.Date newTime)
```

Parameters:

newTime - java.util.Date

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com.hoteltools.messages

Class HTRoomStatus

```
java.lang.Object
```

```
 |
+-com.hoteltools.messages.HTMessage
    |
    +-com.hoteltools.messages.HTPmsMessage
        |
        +-com.hoteltools.messages.HTRoomStatus
```

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See Also:

Field Summary	
private <u>HTRoomId</u>	<u>roomId</u> Room identifier.
private <u>HTRoomStatusType</u>	<u>status</u> New status of the room.

```
jmsType, transactionId
```

```
originSite, sentTime
```

HTRoomStatus()

<u>HTRoomId</u>	<u>getRoomId</u> ()
<u>HTRoomStatusType</u>	<u>getStatus</u> ()
void	<u>setRoomId</u> (<u>HTRoomId</u> newRoomId)
void	<u>setStatus</u> (<u>HTRoomStatusType</u> newStatus)

```
getJmsType, getTransactionId, setTransactionId
```

```
getOriginSite, getSentTime, setOriginSite, setSentTime, setSentTime
```

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[illegible]

Field Detail

(A) roomId

```
private HTRoomId roomId
    Room identifier.
```

(B) status

```
private HTRoomStatusType status
    New status of the room.
```

Constructor Detail

(C) HTRoomStatus

```
public HTRoomStatus()
```

Method Detail

(D) `getRoomId`

public HTRoomId getRoomId()

Returns:
com.hoteltools.messages.HTRoomId

(E) `getStatus`

```
public HTRoomStatusType getStatus()
```

Returns:
HTRoomStatusType

(F) `setRoomId`

```
public void setRoomId(HTRoomId newRoomId)
```

Parameters:
newRoomId - com.hoteltools.messages.HTRoomId

(G) setStatus

```
public void setStatus(HTRoomStatusType newStatus)
```

Parameters:
newStatus - com.hoteltools.messages.HTRoomStatusType


```
originSite, sentTime
```

```
HTRoomStatusChange()
```

```
short getPhone()
```

HTRoomStatusType	<u>getStatus()</u>
------------------	--------------------

```
void setPhone(short newPhone)
```

```
void setStatus(HTRoomStatusType newStatus)
```

```
getJmsType, getTransactionId, setTransactionId
```

```
getOriginSite, getSentTime, setOriginSite, setSentTime, setSentTime
```

```
, clone, equals, finalize, getClass, hashCode, notify, notifyAll,
registerNatives, toString, wait, wait, wait
```

(A) phone

private short phone
The room phone extension.

(B) status

```
private HTRoomStatusType status
```

New status of the room.

(C) HTRoomStatusChange

public **HTRoomStatusChange**()

Method Detail

(D) **getPhone**

public short **getPhone**()

Returns:

short

(E) **getStatus**

public HTRoomStatusType **getStatus**()

Returns:

HTRoomStatusType

(F) **setPhone**

public void **setPhone**(short newPhone)

Parameters:

newPhone - short

(G) **setStatus**

public void **setStatus**(HTRoomStatusType newStatus)

Parameters:

newStatus - com.hoteltools.messages.HTRoomStatusType

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Class HTRuMessage

```
java.lang.Object
|
+-com.hoteltools.messages.HTMessage
|
+-com.hoteltools.messages.HTRuMessage
```

Direct Known Subclasses:

HTRpmFile, HTRpmUpdate

public abstract class **HTRuMessage**
extends HTMessage

This class is the base class for all Remote Update messages sent between the network transceiver and the ASP.

See Also:

Serialized Form

Field Summary

static java.lang.String	<u>jmsType</u>
-------------------------	----------------

Fields inherited from class com.hoteltools.messages.HTMessage

originSite, sentTime

Constructor Summary

<u>HTRuMessage</u> ()	
-----------------------	--

Method Summary

java.lang.String	<u>getJmsType</u> ()
Get the JMS type name for the class, which will be used to select messages from queue.	

Methods inherited from class com.hoteltools.messages.HTMessage

getOriginSite, getSentTime, setOriginSite, setSentTime, setSentTime

Methods inherited from class java.lang.Object

, clone, equals, finalize, getClass, hashCode, notify, notifyAll, registerNatives, toString, wait, wait, wait

Field Detail

(A) `jmsType`

```
public static final java.lang.String jmsType
```

Constructor Detail

(B) `HTRuMessage`

```
public HTRuMessage()
```

Method Detail

(C) `getJmsType`

```
public final java.lang.String getJmsType()
```

Description copied from class: [HTMessage](#)

Get the JMS type name for the class, which will be used to select messages from queue. The abstract "major category" classes will implement this method as a final method.

Overrides:

[getJmsType](#) in class [HTMessage](#)

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[Class HTRpmFile](#)

```
java.lang.Object
```

```
|  
+-com.hotelttools.messages.HTMessage  
|  
+-com.hotelttools.messages.HTRuMessage  
|
```

public final class **HTRpmFile**

extends HTRuMessage

HTRpmFile is the transport for rpm files

See Also:

Serialized Form

Field Summary	
private byte[]	<u>rpmFile</u> RPM file
private java.lang.String	<u>rpmFileName</u> RPM file name
private int	<u>rpmFileSize</u> RPM file size

Fields inherited from class com.hoteltools.messages.HTRuMessage
<u>jmsType</u>

Fields inherited from class com.hoteltools.messages.HTMessage
<u>originSite</u> , <u>sentTime</u>

Constructor Summary
<u>HTRpmFile()</u>

Method Summary	
byte[]	<u>getRpmFile()</u>
java.lang.String	<u>getRpmFileName()</u>
int	<u>getRpmFileSize()</u>
void	<u>setRpmFile</u> (byte[] newRpmFile)
void	<u>setRpmFileName</u> (java.lang.String newRpmFileName)
void	<u>setRpmFileSize</u> (int newRpmFileSize)

Methods inherited from class com.hoteltools.messages.HTRuMessage
<u>getJmsType</u>

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Methods inherited from class `com.hoteltools.messages.HTMessage`

`getOriginSite`, `getSentTime`, `setOriginSite`, `setSentTime`, `setSentTime`

Methods inherited from class `java.lang.Object`

`clone`, `equals`, `finalize`, `getClass`, `hashCode`, `notify`, `notifyAll`, `registerNatives`, `toString`, `wait`, `wait`, `wait`

Field Detail

(A) `rpmFileName`

```
private java.lang.String rpmFileName
    RPM file name
```

(B) `rpmFileSize`

```
private int rpmFileSize
    RPM file size
```

(C) `rpmFile`

```
private byte[] rpmFile
    RPM file
```

Constructor Detail

(D) `HTRpmFile`

```
public HTRpmFile()
```

Method Detail

(E) `getRpmFileName`

```
public java.lang.String getRpmFileName()
    Returns:
    java.lang.String
```

(F) `getRpmFileSize`

```
public int getRpmFileSize()
    Returns:
    int
```

(G) `getRpmFile`

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public byte[] **getRpmFile**()

Returns:

byte[]

(H) **setRpmFileName**

public void **setRpmFileName**(java.lang.String newRpmFileName)

Parameters:

java.lang.String - RPM file name

(I) **setRpmFileSize**

public void **setRpmFileSize**(int newRpmFileSize)

Parameters:

int - RPM file size

(J) **setRpmFile**

public void **setRpmFile**(byte[] newRpmFile)

Parameters:

byte[] - RPM file

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com.hoteltools.messages

Class HTRpmUpdate

java.lang.Object

|
+- com.hoteltools.messages.HTMessage
|

```

+-com.hoteltools.messages.HTRuMessage
|
+-com.hoteltools.messages.HTRpmUpdate

```

public final class **HTRpmUpdate**
 extends HTRuMessage

An HTRpmUpdate is used to send a new rpm file to a network transceiver

See Also:

Serialized Form

Field Summary	
private int	<u>event</u> Event to execute (0 - Reboot machine, 1 - Restart tbmonitor)
private java.util.Date	<u>eventKickoff</u> Time to execute event
private <u>HTRpmFile</u> []	<u>rpmFileList</u> RPM file list/array

Fields inherited from class com.hoteltools.messages.HTRuMessage
<u>jmsType</u>

Fields inherited from class com.hoteltools.messages.HTMessage
<u>originSite</u> , <u>sentTime</u>

Constructor Summary
<u>HTRpmUpdate</u> ()

Method Summary	
int	<u>getEvent</u> ()
java.util.Date	<u>getEventKickoff</u> ()
<u>HTRpmFile</u> []	<u>getRpmFileList</u> ()
void	<u>setEvent</u> (int newEvent)
void	<u>setEventKickoff</u> (java.util.Date newEventKickoff)
void	<u>setRpmFileList</u> (<u>HTRpmFile</u> [] newRpmFileList)

Methods inherited from class com.hoteltools.messages.HTRuMessage
--

getJmsType

Methods inherited from class `com.hoteltools.messages.HTMessage`

getOriginSite, getSentTime, setOriginSite, setSentTime, setSentTime

Methods inherited from class `java.lang.Object`

, clone, equals, finalize, getClass, hashCode, notify, notifyAll, registerNatives, toString, wait, wait, wait

Field Detail

(A) eventKickoff

private java.util.Date **eventKickoff**
Time to execute event

(B) event

private int **event**
Event to execute (0 - Reboot machine, 1 - Restart tbmonitor)

(C) rpmFileList

private `HTRpmFile`[] **rpmFileList**
RPM file list/array

Constructor Detail

(D) HTRpmUpdate

public `HTRpmUpdate`()

Method Detail

(E) getEventKickoff

public java.util.Date **getEventKickoff**()
Returns:
java.util.Date

(F) getEvent

public int **getEvent**()
Returns:
int

(G) getRpmFileList

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public [HTRpmFile](#)[] [getRpmFileList](#)()

Returns:
[HTRpmFile](#)

(H) [setEventKickoff](#)

public void [setEventKickoff](#)(java.util.Date newEventKickoff)

Parameters:
java.util.Date - Time to execute event

(I) [setEvent](#)

public void [setEvent](#)(int newEvent)

Parameters:
int - Event to execute (0 - Do nothing, 1 - Restart tbmonitor, 2 - Reboot machine)

(J) [setRpmFileList](#)

public void [setRpmFileList](#)([HTRpmFile](#)[] newRpmFileList)

Parameters:
[HTRpmFile](#)[] - RPM file

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[Class HTPhoneAuthType](#)

java.lang.Object

|
+-[com.hoteltools.messages.HTPhoneAuthType](#)

```

public class HTPhoneAuthType
extends java.lang.Object
implements java.io.Serializable

```

Class to hold phone authorization code. This tells hotel PBX what types of phone calls the guest may make.

See Also:

[Serialized Form](#)

Field Summary	
static int	<u>FullAccess</u> Valid value of "authcode"; guest is allowed to make any phone call (value = 0, converted to UHLL '0').
static int	<u>HotelOnly</u> Valid value of "authcode"; guest is only allowed to call room to room (value = 3, converted to UHLL '4').
static int	<u>LocalOnly</u> Valid value of "authcode"; guest is allowed local calls and room calls (value = 2, converted to UHLL '3').
static int	<u>NoPhone</u> Valid value of "authcode"; guest is not allowed to make any phone calls (value = 4, converted to UHLL '1').
static int	<u>TollCallsOnly</u> Valid value of "authcode"; guest is allowed to make credit card toll, local calls, and room to room calls (value = 1, converted to UHLL '2').
private int	<u>value</u> Phone authorization code value (use one of the static int's above).

Constructor Summary	
	<u>HTPhoneAuthType()</u>

Method Summary	
int	<u>getValue()</u>
void	<u>setValue</u> (int newValue)

Methods inherited from class java.lang.Object	
, clone, equals, finalize, getClass, hashCode, notify, notifyAll, registerNatives, toString, wait, wait, wait	

Field Detail

(A) FullAccess

public static final int **FullAccess**

Valid value of "authcode"; guest is allowed to make any phone call (value = 0, converted to UHLL '0').

(B) TollCallsOnly

public static final int **TollCallsOnly**

Valid value of "authcode"; guest is allowed to make credit card toll, local calls, and room to room calls (value = 1, converted to UHLL '2').

(C) LocalOnly

public static final int **LocalOnly**

Valid value of "authcode"; guest is allowed local calls and room calls (value = 2, converted to UHLL '3').

(D) HotelOnly

public static final int **HotelOnly**

Valid value of "authcode"; guest is only allowed to call room to room (value = 3, converted to UHLL '4').

(E) NoPhone

public static final int **NoPhone**

Valid value of "authcode"; guest is not allowed to make any phone calls (value = 4, converted to UHLL '1').

(F) value

private int **value**

Phone authorization code value (use one of the static int's above).

Constructor Detail

(G) HTPhoneAuthType

public **HTPhoneAuthType**()

Method Detail

(H) getValue

public int **getValue**()

Returns:

int

(I) setValue

D E B E R D P W O

newValue - int

PREV CLASS NEXT CLASS
SUMMARY: INNER | FIELD | CONSTR | METHOD

FRAMES NO FRAMES
DETAIL: FIELD | CONSTR | METHOD

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SUMMARY: INNER | FIELD | CONSTR | METHOD

FRAMES NO FRAMES
DETAIL: FIELD | CONSTR | METHOD

Class HTPmsEventHandler

```
public class HTPmsEventHandler
extends java.lang.Object
```

interface	HTPmsEventHandler.UnknownEventException
-----------	---

```
HTPmsEventHandler()
```

(package private) void	<u>event HTCallPost</u> (HTCallPost msg)
(package private)	<u>event HTCheckIn</u> (HTCheckIn msg)

private) void	
(package private) void	<u>event HTCheckOut</u> (<u>HTCheckOut</u> msg)
(package private) void	<u>event HTCopyMailbox</u> (<u>HTCopyMailbox</u> msg)
(package private) void	<u>event HTCreditLimit</u> (<u>HTCreditLimit</u> msg)
(package private) void	<u>event HTDoNotDisturb</u> (<u>HTDoNotDisturb</u> msg)
(package private) void	<u>event HTErrors</u> (<u>HTErrors</u> msg)
(package private) void	<u>event HTExpressCheckOut</u> (<u>HTExpressCheckOut</u> msg)
(package private) void	<u>event HTFolioHeaderList</u> (<u>HTFolioHeaderList</u> msg)
(package private) void	<u>event HTFolioRecordList</u> (<u>HTFolioRecordList</u> msg)
(package private) void	<u>event HTGuestMove</u> (<u>HTGuestMove</u> msg)
(package private) void	<u>event HTGuestSwap</u> (<u>HTGuestSwap</u> msg)
(package private) void	<u>event HTKeyCardCreate</u> (<u>HTKeyCardCreate</u> msg)
(package private) void	<u>event HTPosPost</u> (<u>HTPosPost</u> msg)
(package private) void	<u>event HTPost</u> (<u>HTPost</u> msg)
(package private) void	<u>event HTRequestCheckIn</u> (<u>HTRequestCheckIn</u> msg)
(package private) void	<u>event HTRequestExpressCheckOut</u> (<u>HTRequestExpressCheckOut</u> msg)
(package private) void	<u>event HTRequestFolioHeaders</u> (<u>HTRequestFolioHeaders</u> msg)
(package private) void	<u>event HTRequestFolioRecords</u> (<u>HTRequestFolioRecords</u> msg)
(package private) void	<u>event HTRequestKeyCardCreate</u> (<u>HTRequestKeyCardCreate</u> msg)

```
clone, equals, finalize, getClass, hashCode, notify, notifyAll,
registerNatives, toString, wait, wait, wait
```

(A) HTPmsEventHandler

public HTPmsEventHandler()

Method Detail

(B) event

public void event(HTPmsMessage msg)
throws HTPmsEventHandler.UnknownEventException
Main method, which will call the appropriate "event_" method below.

(C) event_HTCallPost

void event_HTCallPost(HTCallPost msg)

(D) event_HTCheckIn

void event_HTCheckIn(HTCheckIn msg)

(E) event_HTCheckOut

void event_HTCheckOut(HTCheckOut msg)

(F) event_HTCopyMailbox

void event_HTCopyMailbox(HTCopyMailbox msg)

(G) event_HTCreditLimit

void event_HTCreditLimit(HTCreditLimit msg)

(H) event_HTDoNotDisturb

void event_HTDoNotDisturb(HTDoNotDisturb msg)

(I) event_HTErrors

void event_HTErrors(HTErrors msg)

(J) event_HTErrorsCheckOut

void event_HTErrorsCheckOut(HTErrorsCheckOut msg)

(K) event_HTFolioHeaderList

void event_HTFolioHeaderList(HTFolioHeaderList msg)

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(M) event_HTGuestMove

(N) event_HTGuestSwap

(O) event_HTKeyCardCreate

(P) event_HTPosPost

(Q) event_HTPost

```
(R) event_HTRoomList
```

(S) event_HTRestCheckIn

(T) event_HTRequestExpressCheckOut

(U) event_HTRrequestFolioHeaders

(V) event_HTRRequestFolioRecords

SECRET

```
void event_HTRequestKeyCardCreate(HTRequestKeyCardCreate msg)
```

```
void event_HTRequestKeyLink(HTRequestKeyLink msg)
```

```
void event_HTRequestPosPost(HTRequestPosPost msg)
```

```
void event HTRequestRoomList(HTRequestRoomList msg)
```

```
void event HTRequestRoomMsgCounts (HTRequestRoomMsgCounts msg)
```

```
void event_HTRequestRoomMsgs (HTRequestRoomMsgs msg)
```

```
void event_HTRequestRoomStatus(HTRequestRoomStatus msg)
```

```
void event_HTRestoreVoiceMail(HTRestoreVoiceMail msg)
```

```
void event HTRestrictPhone(HTRestrictPhone msg)
```

```
void event_HTRoomMsgCounts(HTRoomMsgCounts msg)
```

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```
void event_HTRoomMsgStatus (HTRoomMsgStatus msg)
```

```
void event_HTRoomStatus(HTRoomStatus msg)
```

```
void event_HTRoomStatusChange(HTRoomStatusChange msg)
```

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SUMMARY: INNER | FIELD | CONSTR | METHOD

<u>FRAMES</u>	<u>NO FRAMES</u>
<u>DETAIL: FIELD</u>	<u>CONSTR</u> <u>METHOD</u>

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SUMMARY: INNER | FIELD | CONSTR | METHOD

<u>FRAMES</u>		<u>NO FRAMES</u>	
<u>DETAIL:</u>	<u>FIELD</u>	<u>CONSTR</u>	<u>METHOD</u>

Class HTPosCategoryType

```
public final class HTPosCategoryType
extends java.lang.Object
implements java.io.Serializable
```

See Also:

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Field Summary	
static int	<u>Beverage</u> Beverage (value = 7, converted to UHLL '2').
static int	<u>Food</u> Food (value = 6, converted to UHLL '1').
static int	<u>General 0</u> General category # 0 (value = 0, converted to UHLL '0').
static int	<u>General 1</u> General category # 1 (value = 1, converted to UHLL '3').
static int	<u>General 2</u> General category # 2 (value = 2, converted to UHLL '4').
static int	<u>General 3</u> General category # 3 (value = 3, converted to UHLL '5').
static int	<u>General 4</u> General category # 4 (value = 4, converted to UHLL '6').
static int	<u>General 5</u> General category # 5 (value = 5, converted to UHLL '7').
private int	<u>value</u> The category type (use one of the static int's above).

Constructor Summary	
	<u>HTPosCategoryType()</u>

Method Summary	
int	<u>getValue()</u>
void	<u>setValue</u> (int newValue)

Methods inherited from class java.lang.Object	
, clone, equals, finalize, getClass, hashCode, notify, notifyAll, registerNatives, toString, wait, wait, wait	

Field Detail

(A) General_0

```
public static final int General_0
    General category # 0 (value = 0, converted to UHLL '0').
```

(B) General_1

P **E** **D** **I** **C** **A** **T** **O** **R**

```
public static final int General_2
    General category # 2 (value = 2, converted to UHLL '4').
```

```
public static final int General_3
    General category # 3 (value = 3, converted to UHLL '5').
```

```
public static final int General_4
    General category # 4 (value = 4, converted to UHLL '6').
```

```
public static final int General_5
    General category # 5 (value = 5, converted to UHLL '7').
```

```
public static final int Food
    Food (value = 6, converted to UHLL '1').
```

```
public static final int Beverage
    Beverage (value = 7, converted to UHLL '2').
```

```
private int value
```

The category type (use one of the static int's above).

(J) HTPosCategoryType

Method Detail

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public int **getValue()**
Returns:
int

(L) **setValue**

public void **setValue**(int newValue)
Parameters:
newValue - int

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Class HTPosCharge

java.lang.Object
|
+-com.hoteltools.messages.HTPosCharge

public final class **HTPosCharge**
extends java.lang.Object
implements java.io.Serializable

An HTPosCharge is a single charge from a Point of Sale device.

See Also:

[Serialized Form](#)

Field Summary	
private HTCurrency	amount POS charge amount.
private	chargeType

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Methods inherited from class java.lang.Object

, clone, equals, finalize, getClass, hashCode, notify, notifyAll, registerNatives, toString, wait, wait, wait

Field Detail

(A) chargeType

private HTPosChargeType chargeType
Type of charge.

(B) amount

private HTCurrency amount
POS charge amount.

(C) tip

private HTCurrency tip
Amount of tip.

(D) prepay

private HTCurrency prepay
Pre-payment.

(E) paymentType

private java.lang.String paymentType
Payment type.

(F) expiration

private java.util.Date expiration
Expiration date of payment source (house account/credit card).

(G) description

private java.lang.String description
Description of item.

Constructor Detail

(H) HTPosCharge

姓名	性别	年龄	籍贯	职业	文化程度	健康状况	婚姻状况	子女情况	其他
王德胜	男	45	山东	工人	小学	良好	已婚	2	
李秀英	女	42	河北	农民	初中	良好	已婚	3	
张国强	男	38	河南	干部	高中	良好	已婚	1	
刘小红	女	35	江苏	教师	大学	良好	已婚	2	
陈为民	男	30	浙江	学生	高中	良好	未婚	0	
赵大伟	男	28	广东	工人	小学	良好	已婚	1	
孙丽娟	女	25	湖北	护士	中专	良好	已婚	1	
周志远	男	22	四川	学生	高中	良好	未婚	0	
吴小芳	女	20	湖南	学生	初中	良好	未婚	0	
郑国强	男	18	安徽	学生	小学	良好	未婚	0	
徐文娟	女	15	江西	学生	小学	良好	未婚	0	
黄为民	男	12	福建	学生	小学	良好	未婚	0	
林秀英	女	10	广西	学生	小学	良好	未婚	0	
周志远	男	8	贵州	学生	小学	良好	未婚	0	
吴小芳	女	6	云南	学生	小学	良好	未婚	0	
郑国强	男	4	陕西	学生	小学	良好	未婚	0	
徐文娟	女	3	甘肃	学生	小学	良好	未婚	0	
黄为民	男	2	青海	学生	小学	良好	未婚	0	
林秀英	女	1	宁夏	学生	小学	良好	未婚	0	
周志远	男	0	新疆	学生	小学	良好	未婚	0	

newAmount - com.hoteltools.messages.HTCurrency

newChargeType - com.hoteltools.messages.HTPosChargeType

```
newDescription - java.lang.String
```

```
newExpiration - java.util.Date
```

newPaymentType - java.lang.String

newPrepay - com.hoteltools.messages.HTCurrency

newTip - com.hoteltools.messages.HTCurrency

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com.hoteltools.messages

Class HTPosChargeType

```

java.lang.Object
|
+-com.hoteltools.messages.HTPosChargeType
    
```

public final class **HTPosChargeType**
 extends java.lang.Object
 implements java.io.Serializable

An HTPosChargeType indicates the type of charge.

See Also:

[Serialized Form](#)

Field Summary	
static int	<u>Charge</u> Charge, guest pays hotel (value = 1, converted to UHLL '0').
static int	<u>Credit</u> Credit, hotel pays guest (value = 2, converted to UHLL '2').
private int	<u>value</u> The charge type (use one of the static int's above).
static int	<u>Void</u> Void (value = 0, converted to UHLL '1').

Constructor Summary	
<u>HTPosChargeType</u> ()	

Method Summary	
int	<u>getValue()</u>
void	<u>setValue</u> (int newValue)

Methods inherited from class java.lang.Object	
, clone, equals, finalize, getClass, hashCode, notify, notifyAll, registerNatives, toString, wait, wait, wait	

Field Detail	
--------------	--

(A) Void

```
public static final int Void
    Void (value = 0, converted to UHLL '1').
```

(B) Charge

```
public static final int Charge
    Charge, guest pays hotel (value = 1, converted to UHLL '0').
```

(C) Credit

```
public static final int Credit
    Credit, hotel pays guest (value = 2, converted to UHLL '2').
```

(D) value

```
private int value
    The charge type (use one of the static int's above).
```

Constructor Detail	
--------------------	--

(E) HTPosChargeType

```
public HTPosChargeType()
```

Method Detail	
---------------	--

(F) getValue

```
public int getValue()
```

Returns:
int

(G) setValue

```
public void setValue(int newValue)
```

Parameters:

newValue - int

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com.hoteltools.messages

Class HTPosCheck

java.lang.Object
|
+-com.hoteltools.messages.HTPosCheck

```
public final class HTPosCheck
extends java.lang.Object
implements java.io.Serializable
```

An HTPosCheck stores misc check information from a Point of Sale device.

See Also:

[Serialized Form](#)

Field Summary	
private java.lang.String	checkName Check id (or name).
private short	covers Number of covers.
private java.lang.String	periodName Name of period (such as lunch, dinner, etc).
private java.lang.String	serverName

	Server.
private boolean	<u>split</u> Was the check split?
private java.lang.String	<u>tableName</u> Table number (or name).

Constructor Summary

HTPosCheck ()

Method Summary

java.lang.String	<u>getCheckName</u> ()
short	<u>getCovers</u> ()
java.lang.String	<u>getPeriodName</u> ()
java.lang.String	<u>getServerName</u> ()
java.lang.String	<u>getTableName</u> ()
boolean	<u>isSplit</u> ()
void	<u>setCheckName</u> (java.lang.String newCheckName)
void	<u>setCovers</u> (short newCovers)
void	<u>setPeriodName</u> (java.lang.String newPeriodName)
void	<u>setServerName</u> (java.lang.String newServerName)
void	<u>setSplit</u> (boolean newSplit)
void	<u>setTableName</u> (java.lang.String newTableName)

Methods inherited from class java.lang.Object

, clone, equals, finalize, getClass, hashCode, notify, notifyAll, registerNatives, toString, wait, wait, wait

Field Detail

(A) checkName

private java.lang.String **checkName**

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2
--	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	---

public java.lang.String **getPeriodName**()

Returns:

java.lang.String

(K) **getServerName**

public java.lang.String **getServerName**()

Returns:

java.lang.String

(L) **getTableName**

public java.lang.String **getTableName**()

Returns:

java.lang.String

(M) **isSplit**

public boolean **isSplit**()

Returns:

boolean

(N) **setCheckName**

public void **setCheckName**(java.lang.String newCheckName)

Parameters:

newCheckName - java.lang.String

(O) **setCovers**

public void **setCovers**(short newCovers)

Parameters:

newCovers - short

(P) **setPeriodName**

public void **setPeriodName**(java.lang.String newPeriodName)

Parameters:

newPeriodName - java.lang.String

(Q) **setServerName**

public void **setServerName**(java.lang.String newServerName)

Parameters:

newServerName - java.lang.String

(R) `setSplit`

`public void setSplit(boolean newSplit)`

Parameters:

`newSplit` - boolean

(S) `setTableName`

`public void setTableName(java.lang.String newTableName)`

Parameters:

`newTableName` - java.lang.String

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com.hoteltools.messages

Class HTPosLineItem

java.lang.Object

|
+-com.hoteltools.messages.HTPosLineItem

`public final class HTPosLineItem`

`extends java.lang.Object`

`implements java.io.Serializable`

An HTPosLineItem is a line item charge from a Point of Sale device.

See Also:

[Serialized Form](#)

Field Summary

<u>private</u> <u>HTCurrency</u>	<u>amount</u> POS charge amount.
<u>private</u> <u>HTPosCategoryType</u>	<u>categoryType</u> POS posting category.
<u>private</u> <u>java.lang.String</u>	<u>description</u> Description of item.
<u>private</u> <u>HTCurrency</u>	<u>discount</u> Discount.
<u>private</u> <u>HTCurrency</u>	<u>serviceCharge</u> Service charge.
<u>private</u> <u>HTCurrency</u>	<u>tax</u> Tax.
<u>private</u> <u>HTCurrency</u>	<u>tip</u> Amount of tip.

Constructor Summary

HTPosLineItem ()

Method Summary

<u>HTCurrency</u>	<u>getAmount</u> ()
<u>HTPosCategoryType</u>	<u>getCategoryType</u> ()
<u>java.lang.String</u>	<u>getDescription</u> ()
<u>HTCurrency</u>	<u>getDiscount</u> ()
<u>HTCurrency</u>	<u>getServiceCharge</u> ()
<u>HTCurrency</u>	<u>getTax</u> ()
<u>HTCurrency</u>	<u>getTip</u> ()
<u>void</u>	<u>setAmount</u> (<u>HTCurrency</u> newAmount)
<u>void</u>	<u>setCategoryType</u> (<u>HTPosCategoryType</u> newCategoryType)
<u>void</u>	<u>setDescription</u> (<u>java.lang.String</u> newDescription)
<u>void</u>	<u>setDiscount</u> (<u>HTCurrency</u> newDiscount)
<u>void</u>	<u>setServiceCharge</u> (<u>HTCurrency</u> newServiceCharge)
<u>void</u>	<u>setTax</u> (<u>HTCurrency</u> newTax)
<u>void</u>	<u>setTip</u> (<u>HTCurrency</u> newTip)

(A) categoryType

```
private HTPosCategoryType categoryType
    POS posting category.
```

(B) amount

private ETCurrency amount
POS charge amount.

(C) tax

private HTCurrency tax
Tax.

(D) tip

```
private HTCurrency tip
    Amount of tip.
```

(E) discount

```
private HTCurrency discount
    Discount.
```

(F) serviceCharge

```
private HTCurrency serviceCharge
    Service charge.
```

(G) description

```
private java.lang.String description
    Description of item.
```

(H) HTPosLineItem

Method Detail

```
public HTCurrency getAmount()
```

com.hoteltools.messages.HTCurrency

```
public HttpPosCategoryType getCategoryType()
```

com.hoteltools.messages.HTPosCategoryType

```
public java.lang.String getDescription()
```

java.lang.String

```
public HTCurrency getDiscount()
```

com.hoteltools.messages.HTCurrency

```
public HTCurrency getServiceCharge()
```

com.hoteltools.messages.HTCurrency

```
public HTCurrency getTax()
```

com.hoteltools.messages.HTCurrency

```
public HTCurrency getTip()
```

com.hoteltools.messages.HTCurrency

(P) setAmount

```
public void setAmount(HTCurrency newAmount)
```

Parameters:

newAmount - com.hoteltools.messages.HTCurrency

(Q) setCategoryType

```
public void setCategoryType(HTPosCategoryType newCategoryType)
```

Parameters:

newCategoryType - com.hoteltools.messages.HTPosCategoryType

(R) setDescription

```
public void setDescription(java.lang.String newDescription)
```

Parameters:

newDescription - java.lang.String

(S) setDiscount

```
public void setDiscount(HTCurrency newDiscount)
```

Parameters:

newDiscount - com.hoteltools.messages.HTCurrency

(T) setServiceCharge

```
public void setServiceCharge(HTCurrency newServiceCharge)
```

Parameters:

newServiceCharge - com.hoteltools.messages.HTCurrency

(U) setTax

```
public void setTax(HTCurrency newTax)
```

Parameters:

newTax - com.hoteltools.messages.HTCurrency

(V) setTip

```
public void setTip(HTCurrency newTip)
```

Parameters:

newTip - com.hoteltools.messages.HTCurrency

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com.hoteltools.messages

Class HTPosPostError

```

java.lang.Object
|
+-com.hoteltools.messages.HTPosPostError
    
```

public final class HTPosPostError
 extends java.lang.Object
 implements java.io.Serializable

An HTPosPostError indicates any errors in applying a POS post.

See Also:

[Serialized Form](#)

Field Summary	
static int	<u>Accepted</u> No error, posting was accepted (value = 0, converted to UHLL '1').
static int	<u>ApprovalRequired</u> Manager authorization required (value = 2, converted to UHLL '3').
static int	<u>BadAccount</u> Invalid account number (value = 5, converted to UHLL '7').
static int	<u>BadRoom</u> Invalid room number (value = 4, converted to UHLL '6').
static int	<u>Denied</u> Generic error (value = 7, converted to UHLL '0').
static int	<u>GuestCheckedOut</u> The guest has already checked out (value = 3, converted to UHLL '5').
static int	<u>IncompletePost</u>

T05290 9998880

	Missing required information (value = 6, converted to UHLL '2').
static int	<u>SplitAccepted</u> No error, split accepted (value = 1, converted to UHLL '4').
private int	<u>value</u> The POS post error value (use one of the static int's above).

Constructor Summary

HTPosPostError()

Method Summary

int getValue()
void setValue(int newValue)

Methods inherited from class java.lang.Object

, clone, equals, finalize, getClass, hashCode, notify, notifyAll, registerNatives, toString, wait, wait, wait

Field Detail

(A) Accepted

public static final int **Accepted**
No error, posting was accepted (value = 0, converted to UHLL '1').

(B) SplitAccepted

public static final int **SplitAccepted**
No error, split accepted (value = 1, converted to UHLL '4').

(C) ApprovalRequired

public static final int **ApprovalRequired**
Manager authorization required (value = 2, converted to UHLL '3').

(D) GuestCheckedOut

public static final int **GuestCheckedOut**
The guest has already checked out (value = 3, converted to UHLL '5').

(E) BadRoom

COBOL

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[com.hotelttools.messages](#)

[Class HTPosTerminalId](#)

java.lang.Object
|
+-com.hotelttools.messages.HTPosTerminalId

public class **HTPosTerminalId**
extends java.lang.Object
implements java.io.Serializable

An HTPosTerminalId uniquely identifies a point of sale terminal.

See Also:

[Serialized Form](#)

Field Summary	
private java.lang.String	revenueCenterName Revenue center name.
private java.lang.String	terminalName POS terminal name.

Constructor Summary	
HTPosTerminalId()	

Method Summary	
java.lang.String	getRevenueCenterName()

(G) [setTerminalName](#)

```
public void setTerminalName(java.lang.String newTerminalName)
```

Parameters:

newTerminalName - java.lang.String

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com.hoteltools.messages

Class HTRoom

```
java.lang.Object  
|  
+-com.hoteltools.messages.HTRoom
```

```
public class HTRoom  
extends java.lang.Object  
implements java.io.Serializable
```

An HTRoom contains the room information used to check in a guest.

See Also:

[Serialized Form](#)

Field Summary	
private java.lang.String	dataDID Data direct in dial phone number.
private HTRoomId	roomId Room identifier.
private java.lang.String	voiceDID Voice direct in dial phone number.

Constructor Summary

HTRoom()

Default constructor

Method Summary

java.lang.String getDataDID()

HTRoomId getRoomId()

java.lang.String getVoiceDID()

void setDataDID(java.lang.String newDataDID)

void setRoomId(HTRoomId newRoomId)

void setVoiceDID(java.lang.String newVoiceDID)

Methods inherited from class java.lang.Object

, clone, equals, finalize, getClass, hashCode, notify, notifyAll, registerNatives, toString, wait, wait, wait

Field Detail

(A) roomId

private HTRoomId roomId
Room identifier.

(B) voiceDID

private java.lang.String voiceDID
Voice direct in dial phone number.

(C) dataDID

private java.lang.String dataDID
Data direct in dial phone number.

Constructor Detail

(D) HTRoom

public HTRoom()
Default constructor

Method Detail

(F) `getRoomId`

(G) `getVoiceDID`

(H) setDataDID

(1) `setRoomId`

(J) setVoiceDID

Class

FRAMES NO FRAMES
DETAIL: FIELD | CONSTR | METHOD

com.hoteltools.messages

Class HTRoomId

```

java.lang.Object
|
+-com.hoteltools.messages.HTRoomId
    
```

public class HTRoomId
 extends java.lang.Object
 implements java.io.Serializable

An HTRoomId uniquely identifies a room to all hotel devices.

See Also:

[Serialized Form](#)

Field Summary	
private short	phone The room phone extension.
private java.lang.String	roomName The room number (or name).

Constructor Summary	
HTRoomId()	

Method Summary	
short	getPhone()
java.lang.String	getRoomName()
void	setPhone (short newPhone)
void	setRoomName (java.lang.String newRoomName)

Methods inherited from class java.lang.Object

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, clone, equals, finalize, getClass, hashCode, notify, notifyAll, registerNatives, toString, wait, wait, wait

Field Detail

(A) `roomName`

private java.lang.String `roomName`
The room number (or name).

(B) `phone`

private short `phone`
The room phone extension.

Constructor Detail

(C) `HTRoomId`

public `HTRoomId()`

Method Detail

(D) `getPhone`

public short `getPhone()`
Returns:
short

(E) `getRoomName`

public java.lang.String `getRoomName()`
Returns:
java.lang.String

(F) `setPhone`

public void `setPhone`(short newPhone)
Parameters:
newPhone - short

(G) `setRoomName`

public void `setRoomName`(java.lang.String newRoomName)
Parameters:
newRoomName - java.lang.String

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com.hoteltools.messages

Class HTRoomMsg

```
java.lang.Object
|
+-com.hoteltools.messages.HTRoomMsg
```

```
public final class HTRoomMsg
extends java.lang.Object
implements java.io.Serializable
```

An HTRoomMsg contains a message that was left for the guest.

See Also:

[Serialized Form](#)

Field Summary	
private java.lang.String	<u>accountName</u> The account number (or name) charged for the message.
private HTRoomMsgCaller	<u>caller</u> Person who left the message.
private java.util.Date	<u>created</u> Date message was left for the guest.
private short	<u>id</u> Message identifier (unique for the room).
private boolean	<u>read</u> Has the message been read?
private java.lang.String	<u>recipient</u> Recipient of message.
private java.lang.String	<u>text</u> Text of the message that was left.

Constructor Summary

HTRoomMsg()

Method Summary

java.lang.String	<u>getAccountName</u> ()
<u>HTRoomMsgCaller</u>	<u>getCaller</u> ()
java.util.Date	<u>getCreated</u> ()
short	<u>getId</u> ()
java.lang.String	<u>getRecipient</u> ()
java.lang.String	<u>getText</u> ()
boolean	<u>isRead</u> ()
void	<u>setAccountName</u> (java.lang.String newAccountName)
void	<u>setCaller</u> (<u>HTRoomMsgCaller</u> newCaller)
void	<u>setCreated</u> (java.util.Date newCreated)
void	<u>setId</u> (short newId)
void	<u>setRead</u> (boolean newRead)
void	<u>setRecipient</u> (java.lang.String newRecipient)
void	<u>setText</u> (java.lang.String newText)

Methods inherited from class java.lang.Object

, clone, equals, finalize, getClass, hashCode, notify, notifyAll, registerNatives, toString, wait, wait, wait

Field Detail

(A) id

private short id

Message identifier (unique for the room).

(B) created

```
private java.util.Date created
    Date message was left for the guest.
```

(C) accountName

```
private java.lang.String accountName
    The account number (or name) charged for the message.
```

(D) recipient

```
private java.lang.String recipient
    Recipient of message.
```

(E) caller

```
private HTRoomMsgCaller caller
    Person who left the message.
```

(F) read

```
private boolean read
    Has the message been read?
```

(G) text

```
private java.lang.String text
    Text of the message that was left.
```

Constructor Detail

(H) HTRoomMsg

```
public HTRoomMsg()
```

Method Detail

(I) getAccountName

```
public java.lang.String getAccountName()
```

Returns:

java.lang.String

(J) getCaller

```
public HTRoomMsgCaller getCaller()
```


public void **setCreated**(java.util.Date newCreated)

Parameters:

newCreated - java.util.Date

(S) **setId**

public void **setId**(short newId)

Parameters:

newId - short

(T) **setRead**

public void **setRead**(boolean newRead)

Parameters:

newRead - boolean

(U) **setRecipient**

public void **setRecipient**(java.lang.String newRecipient)

Parameters:

newRecipient - java.lang.String

(V) **setText**

public void **setText**(java.lang.String newText)

Parameters:

newText - java.lang.String

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Class HTRoomMsgCaller

```
java.lang.Object
|
+-com.hoteltools.messages.HTRoomMsgCaller
```

public class **HTRoomMsgCaller**

extends java.lang.Object

implements java.io.Serializable

An HTRoomMsgCaller is a person who leaves a message for a guest.

See Also:

Serialized Form

Field Summary

private java.lang.String	<u>location</u> Location (or company) the caller was from.
private java.lang.String	<u>name</u> Person who left the message.
private java.lang.String	<u>phone</u> Phone number of the caller.

Constructor Summary

<u>HTRoomMsgCaller()</u>	
--------------------------	--

Method Summary

java.lang.String	<u>getLocation()</u>
java.lang.String	<u>getName()</u>
java.lang.String	<u>getPhone()</u>
void	<u>setLocation</u> (java.lang.String newLocation)
void	<u>setName</u> (java.lang.String newName)
void	<u>setPhone</u> (java.lang.String newPhone)

Methods inherited from class java.lang.Object

, clone, equals, finalize, getClass, hashCode, notify, notifyAll, registerNatives, toString, wait, wait, wait

Field Detail

(A) name

```
private java.lang.String name  
    Person who left the message.
```

(B) location

```
private java.lang.String location  
    Location (or company) the caller was from.
```

(C) phone

```
private java.lang.String phone  
    Phone number of the caller.
```

Constructor Detail

(D) HTRoomMsgCaller

```
public HTRoomMsgCaller()
```

Method Detail

(E) getLocation

```
public java.lang.String getLocation()  
Returns:  
    java.lang.String
```

(F) getName

```
public java.lang.String getName()  
Returns:  
    java.lang.String
```

(G) getPhone

```
public java.lang.String getPhone()  
Returns:  
    java.lang.String
```

(H) setLocation

```
public void setLocation(java.lang.String newLocation)  
Parameters:
```

(I) [setName](#)

public void **setName**(java.lang.String newName)

Parameters:

newName - java.lang.String

(J) [setPhone](#)

public void **setPhone**(java.lang.String newPhone)

Parameters:

newPhone - java.lang.String

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com.hoteltools.messages

Class HTRoomMsgType

java.lang.Object

|

+-com.hoteltools.messages.HTRoomMsgType

public final class **HTRoomMsgType**

extends java.lang.Object

implements java.io.Serializable

An HTRoomMsgType indicates the type of Room Message.

See Also:

[Serialized Form](#)

Field Summary	
static int	<u>Fax</u> Fax is waiting for the guest (value = 3, converted to UHLL '2').
static int	<u>Mail</u> Mail or parcel is waiting for guest (value = 2, converted to UHLL '3').
static int	<u>Text</u> Text message (value = 1, converted to UHLL '1').
private int	<u>value</u> The room message type (use one of the static int's above).
static int	<u>Voice</u> Voice message (value = 0, converted to UHLL '0').

Constructor Summary	
<u>HTRoomMsgType</u> ()	

Method Summary	
int	<u>getValue</u> ()
void	<u>setValue</u> (int newValue)

```
Methods inherited from class java.lang.Object
, clone, equals, finalize, getClass, hashCode, notify, notifyAll,
registerNatives, toString, wait, wait, wait
```

[illegible]

```
public static final int Voice
    Voice message (value = 0, converted to UHLL '0').
```

```
public static final int Text
    Text message (value = 1, converted to UHLL '1').
```

```
public static final int Mail
    Mail or parcel is waiting for guest (value = 2, converted to UHLL '3').
```

LIT/706561.1

public static final int **Fax**

Fax is waiting for the guest (value = 3, converted to UHLL '2').

(E) value

private int **value**

The room message type (use one of the static int's above).

Constructor Detail

(F) **HTRoomMsgType**

public **HTRoomMsgType**()

Method Detail

(G) **getValue**

public int **getValue**()

Returns:

int

(H) **setValue**

public void **setValue**(int newValue)

Parameters:

newValue - int

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Class HTRoomStatusType

```
java.lang.Object
|
+--com.hoteltools.messages.HTRoomStatusType
```

public final class **HTRoomStatusType**
extends java.lang.Object
implements java.io.Serializable

An HTRoomStatusType is used to indicate the operational state of a room.

See Also:

Serialized Form

Field Summary	
static int	<u>Available</u> Room is available to check guest into (value = 0, converted to UHLL '1').
static int	<u>BeingCleaned</u> Room is being cleaned (value = 1, converted to UHLL '3').
static int	<u>InspectionFailed</u> Room inspection failed (value = 7, converted to UHLL '9')
static int	<u>InspectionPassed</u> Room inspection passed (value = 6, converted to UHLL '8')
static int	<u>NeedsCleaning</u> Room is dirty (value = 2, converted to UHLL '2').
static int	<u>NeedsInspection</u> Room needs to be inspected (value = 3, converted to UHLL '4').
static int	<u>NeedsPickup</u> Room needs to be picked-up (value = 5, converted to UHLL '7').
static int	<u>NeedsRepairs</u> Room needs repairs (value = 4, converted to UHLL '5').
static int	<u>SkippedCleaning</u> Room did not need cleaning (value = 8, converted to UHLL '10')
static int	<u>Unavailable</u> Room is unusable for other reasons (value = 9, converted to UHLL '6').
private int	<u>value</u> New status of the room (use one of the static int's above).

Constructor Summary	
HTRoomStatusType ()	

Method Summary	
----------------	--

int	<u>getValue()</u>
void	<u>setValue</u> (int newValue)

Methods inherited from class java.lang.Object

, clone, equals, finalize, getClass, hashCode, notify, notifyAll, registerNatives, toString, wait, wait, wait

Field Detail

(A) Available

public static final int Available

Room is available to check guest into (value = 0, converted to UHLL '1').

(B) BeingCleaned

public static final int BeingCleaned

Room is being cleaned (value = 1, converted to UHLL '3').

(C) NeedsCleaning

public static final int NeedsCleaning

Room is dirty (value = 2, converted to UHLL '2').

(D) NeedsInspection

public static final int NeedsInspection

Room needs to be inspected (value = 3, converted to UHLL '4').

(E) NeedsRepairs

public static final int NeedsRepairs

Room needs repairs (value = 4, converted to UHLL '5').

(F) NeedsPickup

public static final int NeedsPickup

Room needs to be picked-up (value = 5, converted to UHLL '7').

(G) InspectionPassed

public static final int InspectionPassed

Room inspection passed (value = 6, converted to UHLL '8')

(H) InspectionFailed

public static final int **InspectionFailed**
Room inspection failed (value = 7, converted to UHLL '9')

(I) SkippedCleaning

public static final int **SkippedCleaning**
Room did not need cleaning (value = 8, converted to UHLL '10')

(J) Unavailable

public static final int **Unavailable**
Room is unusable for other reasons (value = 9, converted to UHLL '6').

(K) value

private int **value**
New status of the room (use one of the static int's above).

Constructor Detail

(L) HTRoomStatusType

public HTRoomStatusType()

Method Detail

(M) getValue

public int **getValue()**
Returns:
int

(N) setValue

public void **setValue**(int newValue)
Parameters:
newValue - int

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com.hoteltools.messages

Class HTRoomType

```
java.lang.Object
|
+-com.hoteltools.messages.HTRoomType
```

public final class **HTRoomType**
extends java.lang.Object
implements java.io.Serializable

An HTRoomType indicates the type of room.

See Also:

[Serialized Form](#)

Field Summary

static int	<u>Connected</u>	Connected rooms (value = 1, converted to UHLL '1').
static int	<u>GrandSuite</u>	Grand suite (value = 3, converted to UHLL '3').
static int	<u>Single</u>	Single room (value = 0, converted to UHLL '0').
static int	<u>Suite</u>	Suite (value = 2, converted to UHLL '2').
private int	<u>value</u>	The room type (use one of the static int's above).

Constructor Summary

<u>HTRoomType</u> ()	
-----------------------------	--

Method Summary

int	<u>getValue</u> ()	
-----	---------------------------	--

void **setValue**(int newValue)

Methods inherited from class java.lang.Object

, clone, equals, finalize, getClass, hashCode, notify, notifyAll, registerNatives, toString, wait, wait, wait

Field Detail

(A) Single

public static final int **Single**
Single room (value = 0, converted to UHLL '0').

(B) Connected

public static final int **Connected**
Connected rooms (value = 1, converted to UHLL '1').

(C) Suite

public static final int **Suite**
Suite (value = 2, converted to UHLL '2').

(D) GrandSuite

public static final int **GrandSuite**
Grand suite (value = 3, converted to UHLL '3').

(E) value

private int **value**
The room type (use one of the static int's above).

Constructor Detail

(F) HTRoomType

public **HTRoomType**()

Method Detail

(G) getValue

public int **getValue**()
Returns:
int

(H) setValue

```
public void setValue(int newValue)
```

Parameters:

newValue - int

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com.hoteltools.messages

Class HTZipCode

java.lang.Object

|

+--com.hoteltools.messages.HTZipCode

public class **HTZipCode**

extends java.lang.Object

implements java.io.Serializable

Class to hold zip code objects.

See Also:

[Serialized Form](#)

Field Summary	
private int	code Base zip code (5 digit).
private int	plus Plus-four part of zip code (0 if unused).

HTZipCode()

```
int getCode()
```

```
int getPlus()
```

```
void setCode(int newCode)
```

```
void setPlus(int newPlus)
```

```
clone, equals, finalize, getClass, hashCode, notify, notifyAll,
registerNatives, toString, wait, wait, wait
```

(A) code

```
private int code
    Base zip code (5 digit).
```

(B) plus

```
private int plus
    Plus-four part of zip code (0 if unused).
```

(C) HTZipCode

```
public HTZipCode()
```

(D) getCode

```
public int getCode()  
    Returns:  
    int
```

(E) `getPlus`

```
public int getPlus()
```

Returns:
int

(F) `setCode`

public void `setCode`(int newCode)

Parameters:
newCode - int

(G) `setPlus`

public void `setPlus`(int newPlus)

Parameters:
newPlus - int

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[com.hotelttools.messages](#)

[Class HTPmsEventHandler.UnknownEventException](#)

java.lang.Object

|

+java.lang.Throwable

|

+java.lang.Exception

|

+-

[com.hotelttools.messages.HTPmsEventHandler.UnknownEventException](#)

Enclosing class:

[HTPmsEventHandler](#)

public class [HTPmsEventHandler.UnknownEventException](#)

extends java.lang.Exception

See Also:

[Serialized Form](#)

Fields inherited from class java.lang.Throwable

backtrace, detailMessage, serialVersionUID

Constructor Summary

[HTPmsEventHandler.UnknownEventException\(\)](#)

Methods inherited from class java.lang.Throwable

fillInStackTrace, getLocalizedMessage, getMessage, printStackTrace,
printStackTrace, printStackTrace, printStackTrace0, toString

Methods inherited from class java.lang.Object

, clone, equals, finalize, getClass, hashCode, notify, notifyAll,
registerNatives, wait, wait, wait

Constructor Detail

(A) [HTPmsEventHandler.UnknownEventException](#)

```
public HTPmsEventHandler.UnknownEventException()
```

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